NEOTEX®

CONSTRUCTION CHEMICALS

PRODUCT CATALOGUE

NEOTEX® S.A. has been established in 1959 in Greece and today is one of the leading manufacturers in several markets worldwide in the fields of **liquid waterproofing** (PU, hybrid, cementitious & more), **resinous flooring** (epoxy, polymer, PU-based), **energy saving** and **repairing** solutions.

All these years, the company's constant strategy has been to differentiate not only in quality, but also in innovation and technical support. Due to these pillars of the company's structure, **NEOTEX®** nowadays enjoys long term relationships with its partners, and continuously expands its presence to diverse markets, in Europe, Africa, Asia.

NEOTEX® has been certified by TÜV CERT with DIN EN ISO 9001:2008 for the application of a management system in line with the above standard for the R&D, production, sales (incl. exports), distribution and technical support of specialized construction materials.

The past and present experience, the innovation, the specialization, together with a well-perceived and carefully executed development plan, allow **NEOTEX®** to look into the future with optimism and to launch every year new-technology and premium quality products in its fields of expertise, keeping in paramount place the initial goal: your satisfaction.

NEOTEX®

WATERPROOFING SYSTEMS

RESINOUS FLOORING

REPAIRING

ENERGY SAVING

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WATERPROOFING

WATERPROOFING SYSTEMS

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Elastomeric liquid membranes

Neoproof® PU W

Description

Water-based polyurethane elastomeric waterproofing coating for roofs, when mechanical durability and outstanding waterproofing properties are required. It forms a non-penetrating film against moisture, with resistance to UV and mechanical stress

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where high resistance to stagnant water is required
- Metallic surfaces after the application of the proper primer (**Vinyfix® Primer, Silatex® Primer** or **Wash® Primer W**)
- On top of new or old, acrylic or polyurethane, waterproofing coatings
- Over PU foam insulation for its protection

Properties - Advantages

- High elongation and mechanical strength
- Excellent resistance to stagnant water
- Ideal waterproofing solution for walkable roofs
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -15°C to +80°C
- No signs of blisters or craters on the surface, during the curing phase
- Increased hardness and crack-bridging properties
- Applicable also under cloudy weather conditions
- Eco-friendly & user-friendly (water-based, one-component)
- Long service life secured

CE

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811-1:2011)	1,34-1,36kg/L
pH (ISO 1148)	8 - 9
Elongation at Break (ASTM D412)	480%
Tensile Stress at Maximum Load (ASTM D412)	2,28 ± 0,16MPa
Adhesion strength (EN 1542:2001)	2,54N/mm²
Hardness shore A (ASTM D2240)	68
Service Temperature	-15°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate Moisture Content	<4%
Relative Air Humidity	80% max.
Ambient Temperature	+10°C min. / +40°C max.
Substrate Temperature	+10°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	24 hours (low temperatures and high humidity prolong drying)
Consumption	**1-1,2kg/m² for two layers (cementitious surface)**

Appearance / Colours

Viscous liquid / White
Also available in beige, grey, terracotta, other shades upon request

Packing

20kg in tin cans
13kg and 4kg in plastic containers

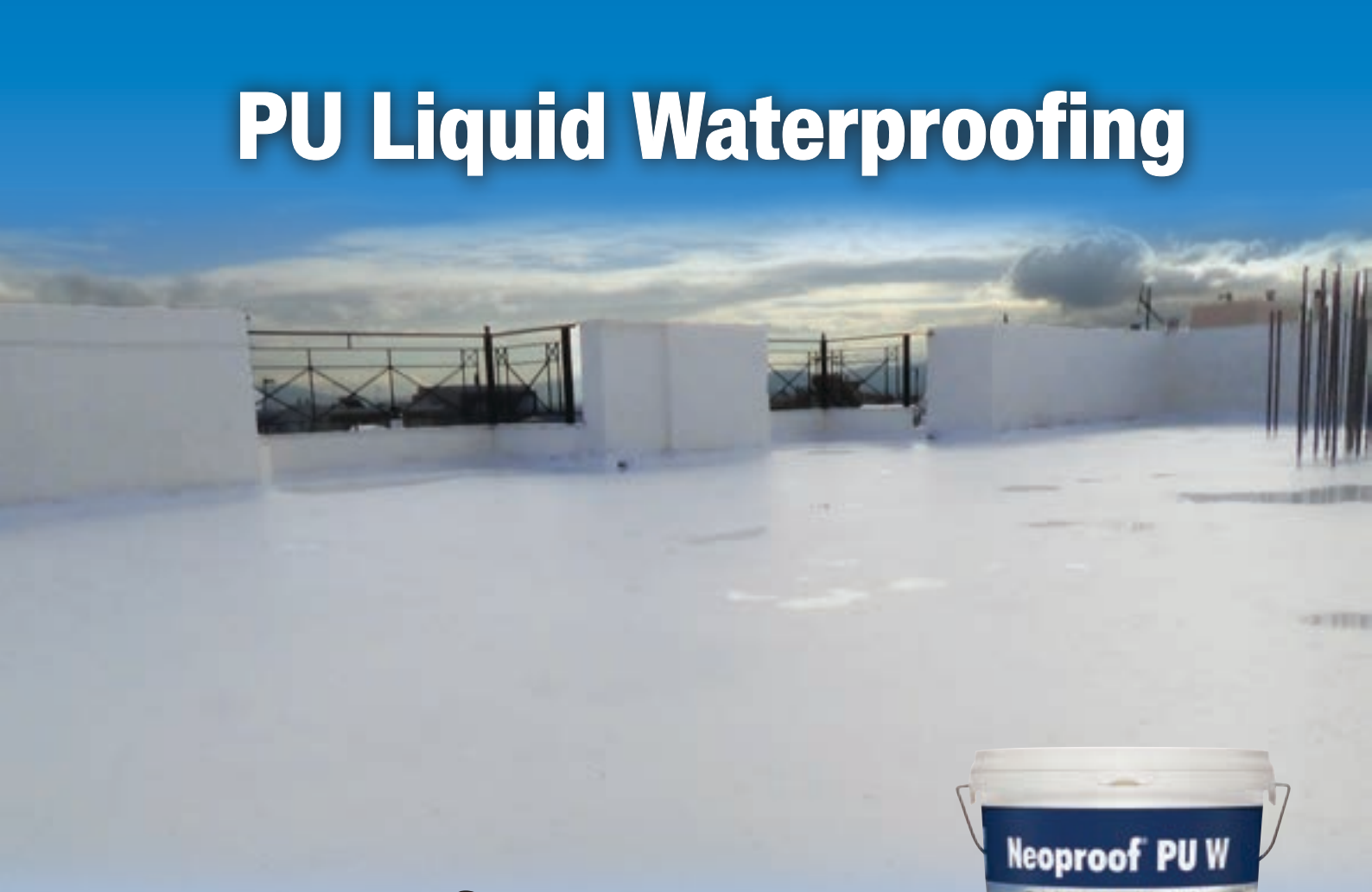
Version: Neoproof PU W -40

Resistant down to -40°C, ideal for demands of elasticity at extremely low temperatures.
Consumption: 1,3-1,5kg/m² for two layers (cementitious surface)

Club Hotel Riu Helios Paradise, Bulgaria

Indicative applications of **Neoproof® PU W**

PU Liquid Waterproofing



Neoproof® PU W

Water-based PU elastomeric waterproofing coating for flat roofs

- Outstanding waterproofing & mechanical properties
- Excellent resistance to stagnant water
- Long service life secured

Neoroof® Nordic

Description
Hybrid elastomeric waterproofing coating for roofs, in terracotta shade (UV-curable technology)

Fields of application
- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where increased resistance to stagnant water is required
- On top of mineral bitumen membranes
- Metallic surfaces after the application of the proper primer

Properties - Advantages
- Easily applied, dries into a smooth elastic membrane that covers capillary cracks
- Excellent dirt pick-up resistance due to its UV-curable technology
- Not affected by adverse weather conditions, maintains its elasticity in temperatures from -35°C to +80°C
- One-component, ready to use
- Excellent adhesion on both porous and non-porous substrates

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811-1:2011)	1,31kg/L
pH (ISO 1148)	8 - 9
Elongation at Break (+25°C)	300%
Service Temperature	-35°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate Moisture Content	<6%
Relative Air Humidity	80% max.
Ambient Temperature	+12°C min. / +40°C max.
Substrate Temperature	+12°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	24 hours (low temperatures and high humidity prolong drying)
Consumption	**500-700gr/m² for two layers (cementitious surface)**

Appearance / Colour
Viscous liquid / Terracotta

Packing
13kg and 4kg in plastic containers

WATERPROOFING

Neoroof® BM

Description

Hybrid elastomeric waterproofing coating for applications over old or new bitumen membranes, with or without mineral granules

Fields of application

- Roofs, on top of old or new bitumen membranes
- Roofs made of concrete, cement tiles, cementitious screeds
- Metallic surfaces after the application of the proper primer

Properties - Advantages

- Delays the ageing of the bitumen membrane
- Prevents the migration of the asphalt
- Excellent adhesion even when applied on top of bare bitumen membranes
- May be applied directly over mineral bitumen membranes without the use of a primer
- Exhibits early rain resistance – not affected by rainfall 12 hours after its application (+25°C)
- Reflects the solar radiation and significantly reduces the surface temperature of the roof
- One-component –easily applied & ready to use

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811-1:2011)	1,36-1,37kg/L
pH (ISO 1148)	8 - 9
Elongation (+25°C)	400%
Service Temperature	-5°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate Moisture Content	<6%
Relative Air Humidity	80% max.
Ambient Temperature	+8°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	12 hours (low temperatures and high humidity prolong drying)
Consumption	**1,3-1,5kg/m² for two layers (mineral bitumen membrane)** **0,9-1,1kg/m² for two layers (cementitious surface)**

Appearance / Colour

Viscous liquid / White

Packing

13kg in plastic containers

Silatex® Super

Description
Acrylic elastomeric waterproofing coating for roofs

Fields of application
- Roofs made of concrete, cement tiles, cementitious screeds
- On top of old mineral bitumen membranes or bitumen shingles
- Metallic surfaces after the application of the proper primer

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811-1:2011)	1,35±0,02kg/L
Elongation at Break (ASTM D412)	370%
Tensile Stress at Maximum Load (ASTM D412)	2,24 ± 0,04MPa
Hardness shore A (ASTM D2240)	60
Water-vapor permeability resistance test (ASTM E96/80)	0,32gr/m²
Service Temperature	-5°C min. / +80°C max.
Consumption	**1kg/m² for two layers (cementitious surface)**

Appearance / Colours
Viscous liquid / White, terracotta

Packing
12kg, 5kg and 1kg in plastic containers

Version: Silatex® Super Pro
Acrylic elastomeric waterproofing coating with high elongation and hardness, for roofs

Revinex® Flex System

Description
Multi-purpose cementitious waterproofing system

CE

Fields of application
The combination of the **standard** cementitious (A) component, with water or with one of the 3 specialized liquid (B) components, creates **4 different systems** depending on the required properties of each application:

1. One-component system **Revinex® Flex**+ water: Economical & ideal waterproofing for basements, walls, shafts, exterior walls to be embanked etc.
2. Two-component system **Revinex® Flex** + **Revinex® Flex FP**: When increased mechanical properties are required. It exhibits high crack bridging properties & resistance to positive and negative water pressure, for basements, water tanks etc.
3. Two-component system **Revinex® Flex + Revinex® Flex U360**: Flexible waterproofing system for terraces, balconies, swimming pools, wet areas (bathrooms, kitchens, etc.), before applying ceramic tiles
4. Two-component system **Revinex® Flex + Revinex® Flex ES**: Highly elastic & UV stable. Ideal for demanding applications on terraces & balconies under tiles, as well as on exposed surfaces such as flat roofs, exterior walls etc.

Properties - Advantages
- Excellent adhesion on almost all construction surfaces
- Crack bridging properties, water vapour permeable
- Integrated and adaptable waterproofing system to cover all needs, based on each project's specific requirements
- Highly durable

Colour
Grey

Packing
Revinex® Flex
25kg, bags (A component)
Revinex® Flex FP
7kg, plastic container
(B component)
Revinex® Flex U 360
10kg, plastic container
(B component)
Revinex® Flex ES
12kg, plastic container
(B component)

TECHNICAL CHARACTERISTICS		
Revinex® Flex + Water	Compressive strength (DIN EN 196-1)	20,4MPa
	Tensile strength (DIN EN 196-1)	5,2MPa
Revinex® Flex + Revinex® Flex FP	Adhesion strength (EN 1542:2001)	1,52MPa
	Permeability CO_2 (EN 1062-6:2002 Method A)	2,9g/(m² d)
Revinex® Flex + Revinex® Flex U360	Hardness Shore A (EN ISO 868:2003/ASTM 2240)	71
	Elongation at Break (EN ISO 527-1/EN ISO 527-2)	25%
Revinex® Flex + Revinex® Flex ES	Hardness Shore A (EN ISO 868:2003/ASTM 2240)	68
	Elongation at Break (EN ISO 527-1/EN ISO 527-2)	56%
Consumption	**2-2,5 kg/m² for two layers (cementitious surface)**	

APPLICATION CONDITIONS - CURING DETAILS	
Time of workability (+20°C)	30 minutes
Drying time (per layer, +20°C)	8-10 hours
Minimum application temperature	+5°C

Platinum Tower, Beirut, Lebanon

Indicative applications of **Revinex® Flex System**

Cementitious Waterproofing

Wet rooms - Basements
Water Tanks - Terraces - Pools

Revinex® Flex System

Multi-purpose, cementitious waterproofing system

1 Powder → 4 Systems

One cementitious powder creates four different systems, to cover all waterproofing needs

NEOTEX®

Neopress®

Description

One-component, brushable, cementitious crystalline waterproofing coating. The addition of **Revinex®** in a ratio up to 20% creates the two-component waterproofing system **Neopress®-Revinex®**, with increased impermeability and adhesion properties

Fields of application

- Underground rooms and basements, tunnels, walls, water tanks, wells, jardinieres, silos, surfaces to be covered with tiles

TECHNICAL CHARACTERISTICS	
Water absorption (EN 1015-8)	0,4kg/m² min 0,5 (class W1)
Compressive strength in 28 days (EN 1015-11)	32,13MPa
Tensile strength (28 days, **Neopress®-Revinex®**, DIN 53504)	3,63MPa
Consumption	**2-2,5kg/m² for two layers**

Colours

Grey, white

Packing

25kg in plastic containers

Revinex® Flex 2006

Description

Two-component flexible cementitious waterproofing system, certified for applications in potable water tanks

Fields of application

- Potable water tanks
- Wet rooms, underground areas, swimming pools, flat roofs and balconies (under the tiles)

Properties & advantages

- Highly flexible in order to tolerate fine cracks
- Protects concrete against carbonation and water penetration
- Excellent adhesion on numerous types of substrate

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	24:10
Elongation at break (28 days, DIN 53504)	16,8%
Compressive strength (EN 1015-11/99)	14,0MPa
Flexural strength (EN 1015-11/99)	4,1MPa
Tensile strength (28 days, reinforced, DIN 53504)	9,61MPa
Consumption	**2-2,5kg/m² for two layers**

Colour

Grey

Packing

Sets (A+B) of 34kg and 17kg

Primers & Admixtures for cementitious mortars

Revinex®

Description

Multi-purpose co-polymeric emulsion, specially designed to enhance the properties of cement mortars

Fields of application

- As an admixture for the formation of impermeable cementitious coatings on walls, basements, tanks and roofs
- As an additive in adhesive mortars for fixing tiles on floors and roofs
- Repairing of damaged concrete structures
- Bonding new concrete layers to old
- Protection against corrosion of concrete reinforcements
- Reinforcement of cementitious waterproofing coatings (**Neopress®**)
- Priming before the application of flexible cementitious waterproofing systems (**Revinex® Flex 2006, Revinex® Flex System**), elastomeric waterproofing coatings (**Neoroof®**, **Neoproof® PU W**, **Neoroof® BM**, **Silatex® Super, Silatex® Super Pro**, **Silatex® Reflect**), thermal insulating coatings and acrylic paints (**Neotherm® AC**, **Proflex®**)

It grants to cementitious mortars:

- Excellent impermeability to water
- Increased adhesion to any substrate
- Enhanced abrasion resistance
- Resistance against contractions and expansions
- Increased flexural and tensile strength, durability against frost

TECHNICAL CHARACTERISTICS	
Solid content (ISO 1625)	47 ± 1%
Density (+25°C)	1,01kg/L
pH (ISO 1148)	9-11
Viscosity (ISO 1652)	30 - 150mPa s

Packing

18kg, 5kg and 1kg in tin cans & 200kg in drums

Novobond®

Description

Multi-purpose co-polymeric (SBR) emulsion

Fields of application

- Additive in cementitious screeds and mortars, granting improved waterproofing, elasticity and adhesion properties
- Suitable for leveling mortars, grooves, joint-fillings and tile adhesives

TECHNICAL CHARACTERISTICS	
Density	1,0kg/L

Packing

20kg and 5kg in plastic containers & 150kg in drums

Silatex® Primer

Description

Solvent-based primer, for impregnating and stabilizing substrates prior to the application of elastomeric waterproofing coatings and paints

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Density	0,81kg/L
Drying time (+25°C)	1-2 hours
Consumption	**130-150gr/m² per layer**

Complementary Product: Neotex® 1111

Solvent for **Silatex Primer®**

Packing

5L in tin cans

Vinyfix® Primer

Description

Solvent-based primer based on vinyl resins, for impregnating and stabilizing substrates prior to the application of elastomeric waterproofing coatings and paints. It is also suitable for difficult-to-adhere substrates, such as aluminum, galvanized steel and polycarbonate panels

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Density	0,9kg/L
Drying time (+25°C)	1-2 hours
Consumption	**130-170gr/m² per layer**

Complementary Product: Neotex® 1080

Solvent for **Vinyfix® Primer**

Packing

5kg in tin cans

Wash Primer W

Description

Water-based primer, with very strong adhesion on non-porous surfaces such as aluminum, galvanized substrates

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	1 hour
Dry to recoat (+25°C)	24 hour
Consumption	**95-115ml/m² per layer**

Packing

10L and 1L
in plastic containers

Reinforcements for waterproofing systems

Neotextile®

Description
Non-woven polyester reinforcement for elastomeric waterproofing coatings **Neoroof®**, **Neoroof® Nordic**, **Neoroof® BM, Neoproof® PU W**, **Silatex® Super**, **Silatex® Super Pro**, **Neoproof®**

TECHNICAL CHARACTERISTICS	
Thickness (EN 9863/1)	0,45mm
Tensile Strength (EN ISO 10319)	1,0kN/m
Elongation at max. load (EN ISO 10319)	≥ 50%
Weight (EN ISO 9864)	50gr/m²

Packing
Roll 300 x 1,08m, Roll 100 x 1,08m, Roll 50 x 1,08m, Tape 10m x 9cm, Tape 10m x 18cm

N-Thermon® Mesh 90gr

Description
White alkali-resistant fiberglass-mesh ideal for reinforcing the cementitious waterproofing systems **Revinex® Flex**, **Revinex® Flex + Revinex® Flex FP, Neopress®** and **Neopress®-Revinex®**. Also used as part of the **N-Thermon® System** (see page 61)

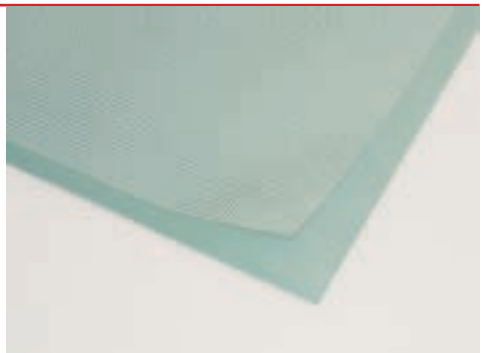
TECHNICAL CHARACTERISTICS	
Mesh dimension	4 x 5mm
Weight of finished mesh	90g/m² ± 5%
Resistance to tensile strength: warp average value	1450N/5cm
Resistance to tensile strength: weft average value	1550N/5cm

Packing
Roll 50 x 1m

Gavazzi® 0059-A

Description
White alkali-resistant fiberglass-mesh, ideal for reinforcing the flexible cementitious waterproofing systems **Revinex® Flex + Revinex® Flex U360, Revinex® Flex + Revinex® Flex ES, Revinex® Flex 2006**

TECHNICAL CHARACTERISTICS	
Mesh dimension	2,7 x 2,7mm
Weight of finished mesh	61g/m² ± 5%
Resistance to tensile strength: warp average value	950N/5cm
Resistance to tensile strength: weft average value	1000N/5cm

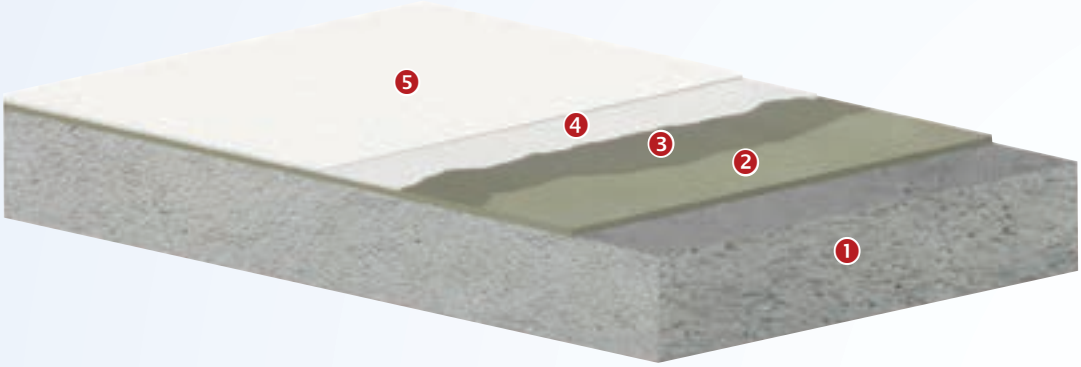


Packing
Roll 50 x 1m

WATERPROOFING

Waterproofing of Flat Roofs

Indicative Build-up of **Neoproof® PU W** System



1. Concrete slab

2. Cementitious Screed for the creation of appropriate slopes, with the addition of **Revinex®** in the mix
   *The addition of **Revinex®** is essential for the screed to acquire enhanced impermeability to water, increased adhesion properties & high resistance to cracking*

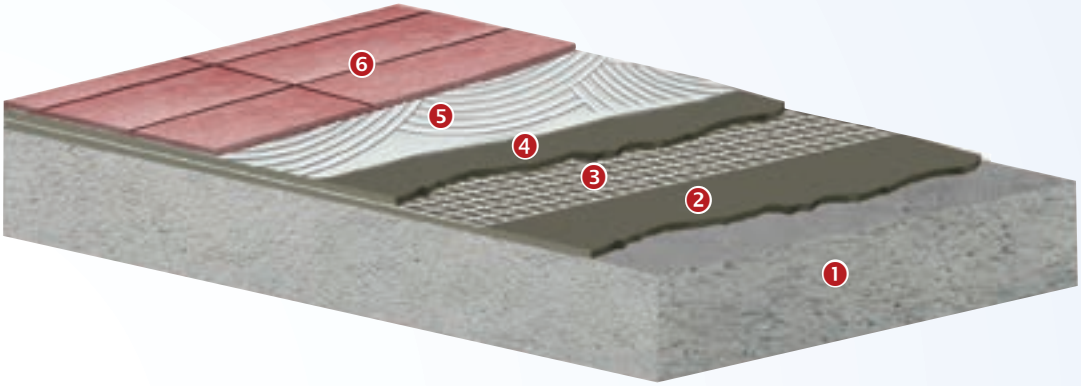
3. Primer: **Revinex®** diluted with water
   Mixing ratio (Revinex:water): 1:3 to 1:4
   *Indicative Consumption of **Revinex®**: 0,04-0,05kg/m²*

4. First waterproofing layer: **Neoproof® PU W** diluted 5% with water
   *Indicative Consumption of **Neoproof® PU W**: 0,50-0,60kg/m²*

5. Second waterproofing layer: **Neoproof® PU W** undiluted
   *Indicative Consumption of **Neoproof® PU W** : 0,50-0,60kg/m²*

Waterproofing of Wet Rooms/ Terraces/ Roofs Under Tiles

Indicative Build-up of **Revinex® Flex System**



❶ Concrete slab

❷ First waterproofing layer: **Revinex® Flex U360 System**
*Indicative Consumption of **Revinex® Flex U360 System** (A+B) : 1,00-1,25kg/m²*

❸ Reinforcement: Fiberglass Mesh **Gavazzi® 0059-A**

❹ Second & Third waterproofing layer: **Revinex® Flex U360 System**
*Indicative Consumption of **Revinex® Flex U360 System** (A+B) : 2,50-2,75kg/m²*

❺ Cementitious Tile Adhesive

❻ Ceramic Tiles

RESINOUS FLOORING

RESINOUS FLOORING

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Self-leveling epoxy floors

Epoxol® Floor P

Description
Two-component solvent-free epoxy system, suitable for the creation of self-leveling floors (1-3mm)

CE

Fields of application
On floors which require high mechanical and chemical resistance, e.g. in:
- Factories and warehouses
- Laboratories
- Parking garages

Properties - Advantages
- High hardness and chemical resistance
- Excellent resistance to abrasion and yellowing
- Complete coverage of concrete imperfections

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:27
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	83mg (mixed with Quartz Sand M-32)
Adhesion Strength (EN 13892-8)	≥ 2,5N/mm²
Hardness - Shore D (ASTM 2240)	72
Impact Resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	-30°C min. / +100°C max.
Consumption (per mm of thickness)	**0,90kg/m² Epoxol® Floor P + 0,65kg/m² Quartz Sand M-32**

Appearance (cured)
Glossy

Colours
RAL 7047 | RAL 7040

Tailor-made shades can be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 12,7kg

Complementary product: Quartz Sand M-32
Quartz sand (avg. grain size of 0,26mm) to be mixed with **Epoxol® Floor P** or **Epoxol® Floor** for the creation of self-leveling floors. Quartz Sand M-32 may also be used for the creation of anti-slip **Epoxol®**, **Neopox®**, **Neodur®** or **Neocryl®** coatings

Free Industrial Zone, Warehouse, Poti, Georgia

Indicative applications of **Epoxol Floor P®**

Epoxol® Floor

Description

Premium two-component solvent-free epoxy system, suitable for the creation of self-leveling floors (1-3mm), certified for direct contact with foodstuff and light beverages

CE

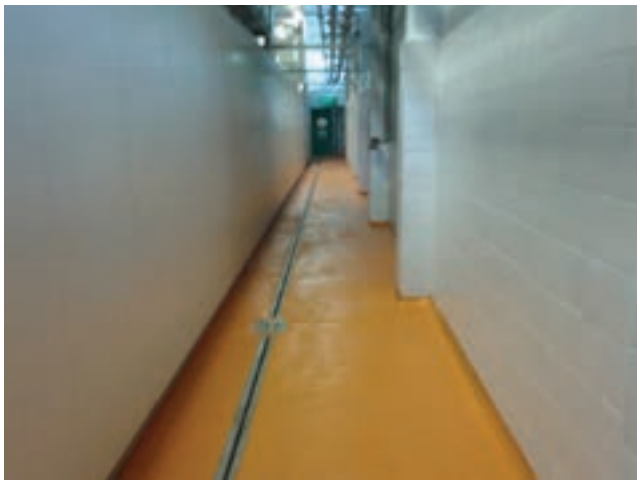
Fields of application

On floors which require very high mechanical and chemical resistance, e.g. in:

- Factories and warehouses
- Production facilities
- Food & beverage facilities

Properties - Advantages

- Very high hardness and chemical resistance
- Excellent resistance to abrasion and yellowing
- May also be applied as a high-build coating by roller



TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:35
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	61mg (mixed with Quartz Sand M-32)
Adhesion Strength (EN 13892-8)	≥ 2,5N/mm²
Hardness (Shore D, ASTM 2240)	80
Impact Resistance (EN ISO 6272)	IR4
Compressive Strength (DIN 53452)	104N/mm²
Flexural Strength (DIN 53452)	75N/mm²
Resistance to temperatures (dry loading)	-30°C min. / +100°C max.
Consumption (per mm of thickness)	**0,80kg/m² Epoxol®Floor + 0,80kg/m² Quartz Sand M-32**

Versions:

Epoxol Floor S: For applications where food-grade certification is not required

Epoxol Floor Winter: For applications in highly humid environments (RH up to 80%) and low temperatures (down to 5°C)

Appearance (cured)

Glossy

Colours

RAL 9003 | RAL 1015 | RAL 3009 | RAL 7047 | RAL 7040

Tailor-made shades can be produced for a minimum quantity, upon special arrangement

Packing

Sets (A+B) of 13,5kg

Resinous Flooring

Epoxy - PU - Acrylic

Industrial & commercial flooring protection

- Self-leveling systems, for heavy traffic
- Thin coating systems, for parking garages, warehouses
- Certified products for the food industry
- Decorative systems for shops, hotels, residential projects

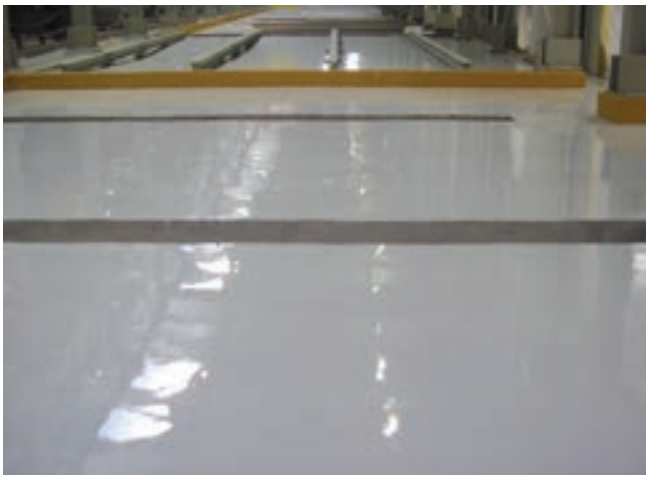
Epoxy coatings

Neopox® Pro

Description
Two-component solvent-based epoxy coating, suitable for flooring applications

Fields of application
- Floors of industries, warehouses, parking & car service garages
- Indoor metallic surfaces

Properties - Advantages
- Increased resistance to chemicals, abrasion & mechanical stress
- No need for a primer (except on metallic surfaces)



TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:20
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	110mg
Adhesion Strength (EN 13892-8)	≥ 2,5N/mm²
Resistance to temperatures (dry loading)	-50°C min. / +140°C max.
Consumption	**360-390gr/m² for two layers (depending on substrate)**

Appearance (cured)
Glossy

Colour
Grey (RAL 7047)
Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 12kg

Aluminum Factory, Dammam, Saudi Arabia

Indicative applications of **Neopox® Pro**

Neopox® Special

Description
Premium two-component solvent-based epoxy coating, suitable for flooring applications

Fields of application
- Floors of industries, warehouses, parking & car service garages
- Swimming pools, water tanks, fountains (not exposed to UV radiation)
- Interior metallic surfaces

Properties - Advantages
- Very high resistance to chemicals, abrasion & mechanical stress
- No need for a primer (except on metallic surfaces)

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	75:25
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	57mg
Adhesion Strength (EN 13892-8)	≥ 2,5N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Resistance to temperatures (dry loading, periodically)	-50°C min. / +140°C max.
Consumption	**250-350gr/m² for two layers (depending on substrate)**

Appearance (cured)
Glossy

Colours
RAL 9003 | RAL 7040
RAL 7005 | RAL 9005
RAL 6000 | RAL 1018
RAL 3009 | RAL 3001

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 10kg, 5kg and 1kg

Version: Neopox® Special Winter
For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Neopox® Floor

Description
Two-component solvent-free, high-build epoxy coating, suitable for flooring applications

Fields of application
- Floors of factories, laboratories, warehouses, parking & car service garages

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:25
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	68mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Hardness (Shore D, ASTM 2240)	72
Impact resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	-30°C min. / +100°C max.
Consumption	**250-300gr/m² per layer**

Appearance (cured)
Glossy

Colour
Grey (RAL 7047)
Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 12,5kg

Version: Neopox® Floor Winter
For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Neopox® W

Description
Two-component water-based epoxy coating for floors and walls, certified for direct contact with foodstuff, light beverages and potable water

Fields of application
- Floors and walls of factories, laboratories, warehouses, shops, foods & beverages facilities, etc.

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:20
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	91mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Resistance to temperatures (dry loading)	-30°C min. / 70°C max.
Consumption	**330-400gr/m² for two layers**

Appearance (cured)
Satin

Colours
RAL 9003 | RAL 7047

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 12kg, 6kg and 1,2kg

Neopox® Alimentary

Description
Two-component solvent-free, high-build epoxy coating for flooring applications, certified for direct contact with foodstuff

Fields of application
- Floors of food facilities

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:30
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	65mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Hardness (Shore D, ASTM 2240)	76
Impact resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	-30°C min. / +100°C max.
Consumption	**250-300gr/m² per layer**

Appearance (cured)
Glossy

Colours
RAL 9003 | RAL 1015 | RAL 7047 | RAL 7040 | RAL 3009

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 13kg

Epoxol® Floor Elastic

Description
Two-component solvent-free elastic epoxy system for flooring applications, certified for direct contact with foodstuff

Fields of application
- Floors of food facilities, especially refrigerating rooms subjected to thermal shocks

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:80
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	28mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Hardness (Shore D, ASTM 2240)	25
Resistance to temperatures (dry loading)	-50°C min. / +80°C max.
Consumption	**500-650gr/m² per layer (depending on substrate)**

Appearance (cured)
Glossy

Colours
RAL 1015 | RAL 7047 | RAL 3009

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 18kg

Neopox® Satine

Description
Two-component solvent-based epoxy coating, with anti-slip properties and satin appearance

Fields of application
- Floors of warehouses, parking garages
- Interior metallic surfaces

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:20
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	110mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Consumption	**280-330gr/m² for two layers (depending on substrate)**

Appearance (cured)
Satin

Colours
RAL 9003 | RAL 7047

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 12kg and 6kg

Polyurethane varnishes

Neodur® Varnish System

Transparent polyurethane varnish system for the protection and decoration of various surfaces

Fields of application

Suitable for the protection and decoration of floors and walls, applied on top of:

- Concrete
- Decorative cementitious screeds
- Natural stone
- Epoxy coatings
- Porous surfaces

Properties - Advantages

- Watertight final finish
- Long-lasting UV stability and resistance to yellowing
- Excellent abrasion resistance and mechanical strength
- High resistance to chemicals (dilute acids, alkalis)
- Variety of final finish effects

Luxury private residence, Switzerland

Indicative applications of **Neodur® Varnish System**

Protection & Decoration PU Varnish

Neodur® Varnish System

Multi-purpose transparent PU system

- Long lasting UV stability and abrasion resistance
- Variety of final finish effects
- Ideal protection of concrete, decorative cementitious screeds, natural stone, epoxy systems & porous surfaces

NEOTEX®

NEW PRODUCTS 2016

Neoproof® Polyurea R

Description

Two-component, brushable elastomeric polyurea waterproofing coating for the protection of various surfaces. It exhibits long UV stability, remarkable water uptake and very high mechanical properties

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Metallic surfaces (with the appropriate primer)
- New or old PU coatings
- Waterproofing under tiles
- Protection of PU foam

Properties - Advantages

- UV stable and walkable
- Impeccable water uptake resistance (zero absorption)
- Very high mechanical properties
- Blister-free final surface
- Also applicable with conventional spraying equipment

TECHNICAL CHARACTERISTICS	
Hardness Shore A (ASTM 2240)	73
Adhesion strength (ASTM D4541)	>3N/mm^2
Tensile strain at break (ASTM D412)	8,6N/mm^2
Elongation at break (ASTM D412)	430%
Service Temperature	-35^{0}C min. / +80^{0}C max.
Consumption	**1,2kg/m^2 for 2 layers (cementitious surfaces)**

Appearance / Colour

Viscous Liquid/ White

Packing

Sets (A+B) of 19kg

Neoproof® Polyurea L

Description

Two-component, brushable elastomeric, pure aliphatic polyurea waterproofing coating, for the protection of exposed roofs. It exhibits outstanding UV stability, remarkable water uptake and very high mechanical properties, thus protecting the substrate for ultra-long time periods

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Top coating over aromatic sprayable polyurea systems
- Metallic surfaces (with the appropriate primer)
- New or old PU coatings

Properties - Advantages

- UV stable and walkable
- Impeccable water uptake resistance (zero absorption)
- Very high mechanical properties
- Blister-free final surface
- Also applicable with conventional spraying equipment

TECHNICAL CHARACTERISTICS	
Hardness Shore A (ASTM 2240)	78
Adhesion strength (ASTM D4541)	>3N/mm^2
Tensile strain at break (ASTM D412)	10,1N/mm^2
Elongation at break (ASTM D412)	470%
Service Temperature	-35^{0}C min. / +80^{0}C max.
Consumption	**1,2kg/m^2 for 2 layers (cementitious surfaces)**

Appearance / Colour

Viscous Liquid/ White

Packing

Sets (A+B) of 21kg

Neoproof® Polyurea C1

Description

Innovative, two-component, high-build elastomeric brushable polyurea waterproofing coating for exposed roofs. It is applied in a single coat, ideal for time-demanding projects

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Metallic surfaces (with the appropriate primer)
- New or old PU coatings
- Protection of PU foam insulation

Properties - Advantages

- UV stable and walkable
- Impeccable water uptake resistance (zero absorption)
- Very high mechanical properties
- Blister-free final surface
- Also applicable with conventional spraying equipment

TECHNICAL CHARACTERISTICS	
Hardness Shore A (ASTM 2240)	76
Adhesion strength (ASTM D4541)	>3N/mm^2
Elongation at break (ASTM D412)	460%
Tensile strain at break (ASTM D412)	9,8N/mm^2
Service Temperature	-35^{0}C min. / +80^{0}C max.
Consumption	**0,75kg/m^2 in a single layer (cementitious surfaces)**

Appearance / Colour

Viscous Liquid/ White

Packing

Sets (A+B) of 20kg

Neoproof® PU360

Description

Water-based modified polyurethane elastomeric waterproofing coating, ideal for non-exposed applications on horizontal or vertical construction surfaces before plastering, tiling or laying of cementitious screeds and mortars

Fields of application

- Under tiles in wet rooms (bathrooms, kitchens, etc.), terraces and roofs
- On drywall panels before plastering, tiling etc.

Properties - Advantages

- Increased resistance to bending and stretching
- Excellent compatibility in case of a subsequent cementitious layer (tile adhesive, cementitious screed)
- High adhesion and crack-bridging properties
- Applicable on various construction surfaces (concrete, plaster, metal, wood, etc.)
- Eco-friendly (does not contain solvents or bitumen) & User-friendly (one-component, water-based)

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811-1:2011)	1,44kg/L
pH (ISO 1148)	8 – 9
Adhesion to concrete (ASTM D4541)	> 2,5N/mm^2
Hardness shore A (EN ISO 868:2003/ASTM D2240)	70
Degree of adhesion of modified mortar on the membrane	> 2N/mm^2 after 14 days
Absorption Coefficient (EN 1062-3:2008)	0,00 kg/m^2 min^{0,5}
Service Temperature	-5°C min. / +80°C max.
Consumption	**1-1,2kg/m^2 for two layers (cementitious surface)**

Appearance / Colour

Viscous liquid / White
Also available in other shades upon request

Packing

13kg and 4kg in plastic containers

Silimper® Nano

Description

Silane-siloxane water-based nano-molecular impregnation compound, with high penetrating ability and hydrophobic performance, ideal for applications on exterior and interior construction surfaces as a water-repellent

Fields of application

Vertical (or inclined) mineral porous surfaces, such as concrete, plasters and renderings, asbestos cement, limestone, brick, roof tiles, stone with continuous surface (i.e. without cracks)

Properties - Advantages

- Exhibits high penetration, due to its nano-molecular structure, minimizing the water up-take
- Prevents rain from impregnating the surface & protects it from cracking due to frost
- Facilitates the cleaning of the surface by limiting dirt pick-up & fungal growth
- Vapour permeable, allows the structure to "breathe"
- Does not form a skin on the surface and does not alter its appearance

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811.01)	1,00kg/L
pH (ISO 1148)	7,5 – 8,5
Water penetration value (concrete surface) (RILEM Test Method 11.4)	0 ml/min
Consumption	**100-200ml/m² per layer (depending on the application method and the absorptivity of the substrate)**

Appearance (cured)

Transparent

Packing

20L, 3L and 1L in plastic containers

Resinous Flooring

Neopox® Primer WS

Description

Two-component solvent-free epoxy primer, suitable for damp surfaces

Fields of application

- Damp concrete floors –with water gathered in the pores- which will be covered with epoxy coatings and systems (**Epoxol®**, **Neopox®**)
- Old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio (by weight)	100:60
Adhesion strength (EN 13892-8)	≥ 3,0N/mm²
Drying time (+25°C)	9 hours
Consumption	**200-300gr/m² per layer (depending on substrate absorptivity)**

Appearance / Colour

Transparent, yellowish

Packing

Sets (A+B) of 10kg

Neodur® Varnish System - Relevant Products

Neodur® Varnish

Description
Two-component solvent-based acrylic-polyurethane glossy varnish,
cured with aliphatic polyisocyanates, suitable for the protection and decoration of various surfaces

Properties - Advantages
- Long-lasting UV stability and resistance to yellowing
- Excellent hardness & adhesion properties
- Very good gloss retention, even after several years
- May also be applied in swimming pools over **Neopox® Pool** (see page 74), offering further UV protection and enhancing the durability of the epoxy coating, by delaying the chaulking phenomenon

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	3,6:1,4
Gloss 60°	90
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	42mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**125gr/m² per layer (on properly prepared surfaces)**

Appearance
Transparent

Packing
Sets (A+B) of 15kg, 5kg and 1kg

Neodur® Varnish Mat

Description
Two-component solvent-based acrylic-polyurethane mat varnish, cured with aliphatic polyisocyanates, suitable for the protection and decoration of various surfaces

Properties - Advantages
- Long-lasting UV stability and resistance to yellowing
- Excellent hardness & adhesion properties
- High aesthetic result

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	3,8-1,4
Gloss 60°	30
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Resistance to temperatures (dry loading)	-30°C min. / 80°C max.
Consumption	**125gr/m² per layer (on properly prepared surfaces)**

Appearance
Transparent

Packing
Sets (A+B) of 15,6kg, 5,2kg and 1kg

Neodur® Varnish W Mat

Description

Two-component water-based polyurethane mat varnish, cured with aliphatic polyisocyanates, suitable for the protection and decoration of various surfaces

Properties - Advantages

- Long-lasting UV stability and resistance to yellowing
- Excellent hardness & adhesion properties
- Ideal for interior applications where solvent fumes are undesirable
- User-friendly & Eco-friendly

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	9:1
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	30mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**125gr/m² per layer (on properly prepared surfaces)**

Appearance

Transparent

Packing

Sets (A+B) of 9kg, 3kg and 1kg

Neodur® Varnish PR

Description

Hybrid primer for various surfaces, such as cementitious, which are to be covered with polyurethane varnishes **Neodur® Varnish, Neodur® Varnish Mat** or **Neodur® Varnish W Mat**

Properties - Advantages

- Protects against water absorption
- Maintains the natural appearance of the substrate
- Exhibits high mechanical and chemical resistance
- May be also applied as a final layer in certain applications, in order to seal porous surfaces and prevent dust generation

TECHNICAL CHARACTERISTICS	
Density	1,02kg/L
Adhesion strength (EN 13892-8)	≥ 2N/mm²
Drying time (+25°C)	3 hours
Dry to recoat with **Neodur® Varnish W Mat** (+25°C)	4 hours
Dry to recoat with **Neodur® Varnish** or **Neodur® Varnish Mat** (+25°C)	24-36 hours (depending on the atmospheric humidity)
Consumption	**100-120gr/m² for one layer (depending on substrate absorptivity)**

Appearance

Transparent

Packing

10kg and 3kg in plastic containers

Neodur® Special

Description
Two-component solvent-based aliphatic polyurethane coating, suitable for external flooring applications

Fields of application
- Exterior floors of industries, parking areas, gas stations
- Warehouse ramps, car ramps

Properties - Advantages
- UV-resistant & non-yellowing, not affected by sunlight and weather conditions
- Excellent resistance to abrasion and mechanical stress
- Also ideal for the creation of exterior anti-slip floors

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	75:25
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	58mg
Adhesion Strength (EN 13892-8)	≥ 3N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**350gr/m² for two layers (depending on substrate)**

Appearance (cured)
Semi-glossy

Colours
RAL 9003 | RAL 1013 | RAL 7040 | RAL 7047 | RAL 3009

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 10kg and 5kg

Decorative Resinous Systems

Epoxol® Deco

Description
Three-component solvent-free epoxy system, suitable for the creation of self-levelling decorative floors with a granite look

Fields of application
- Decorative floors of hotels, offices, showrooms
- Commercial & residential floors

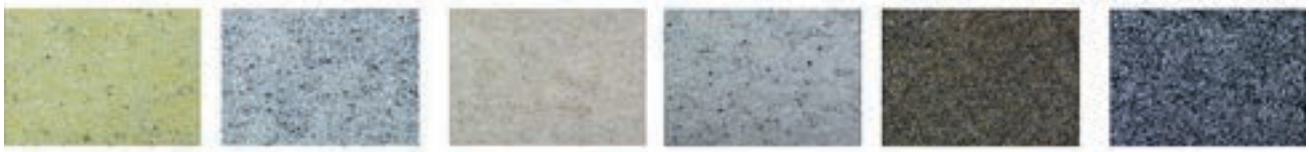
Properties - Advantages
- Yields a seamless decorative floor with a natural look of granite
- Excellent resistance to abrasion and chemicals
- High aesthetic result

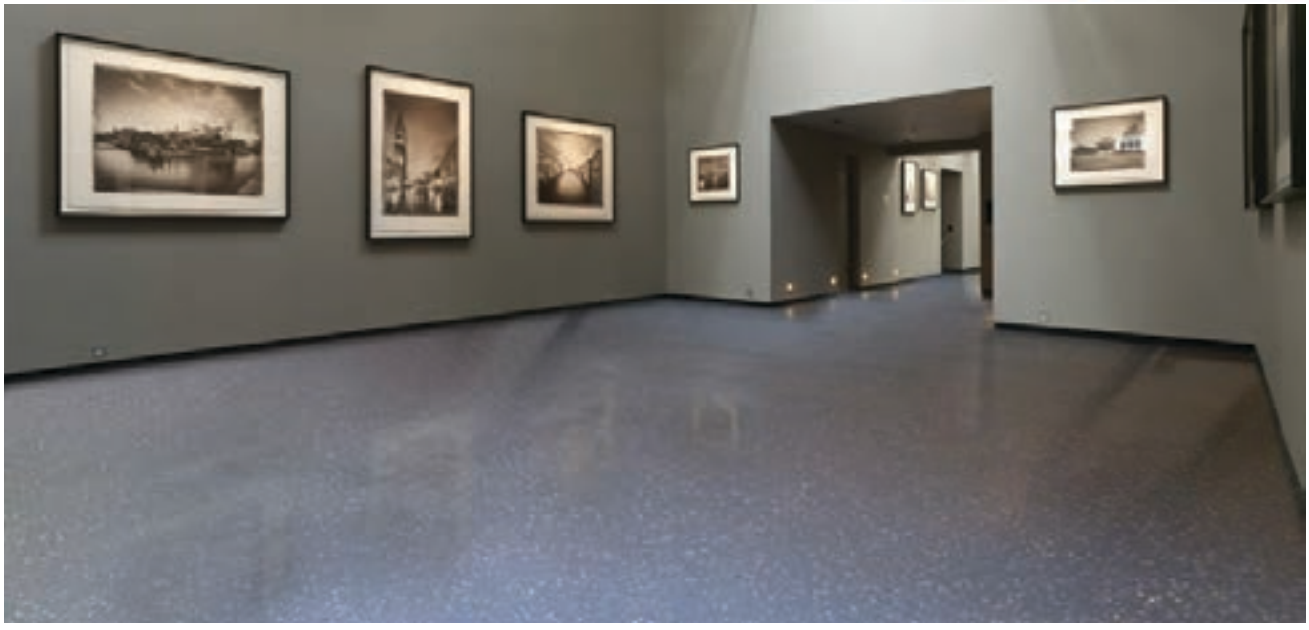
TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:60 (for the resinous components A&B)
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	71mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Impact Resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	from -30°C min. / +80°C max.
Consumption (per mm of thickness)	**1,35kg/m²**

Appearance (cured)
Glossy

Colours
Six available final finishes, as shown below

Packing
Sets (A+B+C) of 27kg





Neopox® Deco

Description
Two-component solvent-based epoxy coating with metallic effect, suitable for decorative applications

Fields of application
- Decorative floors and walls of shops, hotels, etc.
- Interior metallic surfaces

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	70:30
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	57mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Resistance to temperatures (dry loading)	-50°C min. / +140°C max.
Consumption	**250-330gr/m² for two layers (depending on substrate)**

Appearance (cured)
Semi-Glossy

Colours
Blue, Green, Black

Packing
Sets (A+B) of 5kg

Epoxol® 2874

Description
Two-component solvent-free transparent epoxy system, suitable for the creation of resin-mortars and for casting or embedding various items

Fields of application
- Decorative floors and stairs of shops, hotels, etc.

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	100:58
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	72mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Hardness (Shore D, ASTM 2240)	83
Impact resistance (EN ISO 6272)	IR4
Compressive strength (DIN 53452)	82N/mm²
Flexural strength (DIN 53452)	80N/mm²
Tensile strength (DIN 53452)	38N/mm²
Max. temperature of resistance to continuous heating (HDT-Value)	+46°C

Appearance
Transparent, amber

Packing
Sets (A+B) of 15,8kg and 1kg

Neodur® Polyurea

Description
Two-component transparent aliphatic polyurea system, suitable for the creation of stone carpets, for exterior applications

Fields of application
- Exterior decorative floors and stairs of shops, hotels, etc.

Properties - Advantages
- UV-resistance, non-yellowing even after many years
- Very high compressive and flexural strength
- Developed for the creation of highly durable decorative exterior floors

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	1:1
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**1kg/m² Neodur® Polyurea + 6kg/m² Quartz S and NQS grey 0,6-1,2mm**

Appearance
Transparent

Packing
Sets (A+B) of 20kg

Complementary product: Quartz Sand NQS grey 0,6-1,2mm

Grey quartz sand (grain size of 0,6-1,2mm) to be mixed with **Neodur® Polyurea** or **Epoxol® 2874** for the creation of stone carpets.

Neocryl® Special

Description
One-component water-based polymer-modified coating, based on acrylic resins, suitable for exterior flooring applications

Fields of application
- Exterior parking areas with light traffic
- Patios of residential and commercial buildings
- Road marking

Properties - Advantages
- Excellent adhesion on asphalt, concrete, cement screeds
- Very good resistance to abrasion and weathering
- User-friendly & Eco-friendly

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811.01)	1,27-1,29kg/L
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	190mg
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Consumption	**250-330gr/m² for two layers (depending on substrate)**

Colours
RAL 9003 | RAL 7047

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
12kg and 4kg in plastic containers

Neocryl® Sport Flex

Description

One-component water-based polymer-modified coating, based on acrylic resins, suitable for sport floors

Fields of application

- Sport courts (tennis courts, basketball courts, etc.)
- Schoolyards and surrounding walls

Properties - Advantages

- Increased flexibility
- Excellent adhesion on asphalt, concrete, cement screeds, hard quick
- Very good resistance to abrasion and weathering
- User-friendly & Eco-friendly

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811.01)	1,24kg/L
Consumption	**250-330gr/m² for two layes (depending on substrate absorptivity)**

Colours

RAL 9003 | RAL 3009 | RAL 6000

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing

12kg and 4kg in plastic containers

Epoxol® Primer

Description
Two-component, solvent-based epoxy primer

Fields of application
- Floors and walls which will be covered with epoxy or PU coatings and systems (**Epoxol®**, **Neopox®**, **Neodur®**)
- Floors, walls and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid** for adhesion improvement
- Old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio (by weight)	70:30
Substrate Moisture Content	<4%
Consumption	**120-160gr/m² per layer (depending on substrate absorptivity)**

Appearance
Transparent, yellowish

Packing
Sets (A+B) of 10kg and 5kg

Epoxol® Primer SF

Description
Two-component, solvent-free, epoxy primer for flooring applications

Fields of application
- Floors which will be covered with epoxy coatings and systems **(Epoxol®, Neopox®)**
- Floors and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid** for adhesion improvement
- Old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio (by weight)	100:55
Adhesion strength (EN 13892-8)	≥ 3N/mm²
Substrate Moisture Content	<4%
Consumption	**200-300gr/m² per layer (depending on substrate absorptivity)**

Appearance
Transparent, yellowish

Packing
Sets (A+B) of 10kg

Version: Epoxol® Primer SF Winter

For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Neopox® Primer AY

Description

Two-component solvent-free anti-osmotic epoxy primer, suitable for application on floors with rising moisture

Fields of application

- Floors with rising moisture which will be covered with epoxy coatings and systems (**Epoxol®, Neopox®**)
- New concrete floors (less than 28 days), which will be coated with epoxy coatings and systems (**Epoxol®, Neopox®**)

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio (by weight)	100:40
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Resistance to rising humidity (Test method DIN EN 13578)	Successful
Substrate Moisture Content	<8%
Consumption	**400-500gr/m² per layer**

Appearance

Transparent

Packing

Sets (A+B) of 5kg and 1kg

Acqua Primer

Description

Two-component water-based epoxy primer, suitable also for surfaces with high moisture content

Fields of application

- Floors and walls which will be covered with epoxy coatings and systems (**Epoxol®, Neopox®**)
- Floors, walls and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid** for adhesion improvement
- Old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio (by weight)	100:40
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Substrate Moisture Content	<8%
Consumption	**120-160 gr/m² per layer (depending on substrate absorptivity)**

Appearance

Transparent, yellowish

Packing

Sets (A+B) of 7kg

Neotex® 1021

Description
Thinner for epoxy & PU systems

Fields of application
- Thinner for the epoxy systems **Neopox® Pro, Neopox® Special, Neopox® Pool, Neopox® Satine, Neopox® Deco, Epoxol® Primer** and the polyurethane systems **Neodur®, Neodur® Varnish** and **Neodur® Varnish Mat**
- Cleaning of surfaces or tools, after the application of the above products

TECHNICAL CHARACTERISTICS	
Density	0,87kg/L

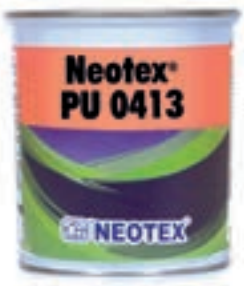
Appearance
Transparent

Packing
20L, 5L and 1L in tin cans

Neotex® PU 0413

Description
Thinner for **Neodur® Special**

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Density	0,87kg/L



Appearance
Transparent

Packing
1kg in tin cans

INSULATION & ENERGY SAVING

INSULATION & ENERGY SAVING

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Waterproofing & reflective coatings

Neoroof®

Certified Cool Material

Description

Hybrid elastomeric waterproofing coating for roofs (UV-curable) with high solar reflectance and thermal emittance properties

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where increased resistance to stagnant water is required
- On top of mineral bitumen membranes
- Metallic surfaces after the application of the proper primer
- Next to and under photovoltaic panels, enhancing their efficiency
- On top of new or old, acrylic or polyurethane, waterproofing coatings
- Thermal-insulating polyurethane panels and polycarbonate panels
- Over old roofing made of asbestos

Properties - Advantages

- Certified cool roofing properties
- Very high dirt pick-up resistance, prevents the deposit of dust and pollutants on the cured membrane
- Retains the whiteness of the membrane and its high energy saving properties
- Does not get tacky even under extremely high temperatures
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Suitable for walkable roofs
- Increased resistance to stagnant water
- Eco-friendly & user-friendly (water-based, one-component)
- Vapour permeable, allows the roof to “breathe”
- Economical solution, also due to its high spreading rate

CE

TECHNICAL CHARACTERISTICS	
Density (EN ISO 2811-1:2011)	1,29kg/L
Adhesion Strength (EN 1542:2001)	1,47N/mm²
Elongation at Break (ASTM D412)	300%
Hardness – Shore A (ASTM D2240)	44
Service temperatures	-35°C min. / +80°C max.
Reflectance (ASTM E 903-96), (ASTM G159-98)	91,8% (Visible: 400-750nm)
Total Reflectance (SR%) (ASTM E 903-96), (ASTM G159-98)	88%
Solar Reflectance Index (SRI) (ASTM E1980-01)	111
Total Emittance (ASTM E408-71)	0,86
Consumption	**500-700gr/m² for two layers (cementitious surface), 1-1,25kg/m² for two layers (mineral bituminous membrane)**

Appearance/Colours

Viscous liquid / White
Also available in beige, grey, other shades upon request

Packing

20kg in tin cans
13kg, 4kg and 1kg in plastic containers

Cavo Paradiso Club, Mykonos, Greece

Indicative applications of **Neoroof®**

Silatex® Reflect

Description
Reflective, elastomeric waterproofing coating for exterior walls and facades, with high solar reflectance and thermal emittance properties

Fields of application
External walls of new or existing buildings, on substrates such as concrete, plaster, bricks, cement boards, asbestos-cement

Properties - Advantages
- Certified reflectance and heat emittance properties
- Reduces the temperature of the exterior surface exposed to the sun, offering cool ambient conditions
- Very high dirt pick-up resistance, easy to wash
- Retains its whiteness and initial high energy saving properties
- Does not get tacky even under extremely high temperatures
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -40°C to +80°C
- Eco-friendly & user-friendly (water-based, one-component)
- Vapour permeable, allows the walls to “breathe”
- Covers capillary cracks
- Protects concrete against aggressive atmospheric influences
- Promotes a self-cleaning effect on the treated surfaces

TECHNICAL CHARACTERISTICS	
Density	1,36kg/L
Elongation at break	250%
Service temperature	-40°C min. / +80°C max.
Reflectance (ASTM E 903-96), (ASTM G159-98)	91% (Visible: 400-700nm)
Total Reflectance (SR%) (ASTM E 903-96), (ASTM G159-98)	88%
Solar Reflectance Index (SRI) (ASTM E1980-01)	111
Total Emittance (ASTM E408-71)	0,86
Consumption	**180-200ml/m² for two layers**

Appearance / Colours
Viscous liquid / White
White and also available in P, TR, D bases offering versatility for the creation of the requested shade

Packing
10L, 3L and 1L in plastic containers

Neodur®

Description
Two-component, aliphatic polyurethane, top coat paint, ideal for exterior metallic structures

Fields of application
- Exterior and interior metallic surfaces
- Rigid wooden surfaces
- Polyester boats (above water level)

Properties - Advantages
- Long-lasting UV stability and durability
- Resistance to fresh water, sea water, alkalis, industrial atmosphere and adverse weather conditions
- High hardness and resistance to abrasion and yellowing
- Gloss retention
- Certified as cool material in its white shade

TECHNICAL CHARACTERISTICS	
Density	1,28kg/L (White)
Gloss 60^0	92
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Resistance to temperatures	-30°C min. / +80°C max.
Total Reflectance (SR%) (ASTM E903-96), (ASTM G159-98)	88% (300-2500nm) (White)
Total Emittance (ε) (ASTM E408-71)	0,86 (White)
Solar Reflectance Index SRI (ASTM E1980-01)	111 (White)
Consumption	**150gr/m² per layer**

Appearance (cured)
Glossy

Colours
White (Ral 9003), Beige (RAL 9010), Grey (Ral 7040), Red (Ral 3009), Black (Ral 9005), Dark Blue (RAL 5013), Blue (RAL 5015), Green (RAL 6009)
Tailor-made shades available upon request

Packing
Sets (A+B) of 5kg and 1kg

RAL 9003 | RAL 9005 | RAL 9010 | RAL 7040

RAL 3009 | RAL 5013 | RAL 5015 | RAL 6009

Thermal insulating coatings

Neotherm® AC

Description

Unique anti-condensation and mould repellent paint with thermal insulating properties, specifically designed to resist the forming of condensation on internal walls and ceiling surfaces

Fields of application

- On internal walls (plaster, concrete, etc.) and ceilings, contributing to energy savings
- On thermal bridges (in beam junctions, northern walls, etc.) which are a basic cause of vapor condensation and the creation of mould and bacteria

TECHNICAL CHARACTERISTICS	
Density	1,02kg/L
Thermal conductivity (λ) (EN 12664:2004)	≤0,136W/mK (for relative humidity ≤65%)
Consumption	**200-300ml/m² for two layers**

Colours

White
Also available in P, TR, D bases offering versatility for the creation of the requested shade

Packing

10L, 3L and 1L in plastic containers

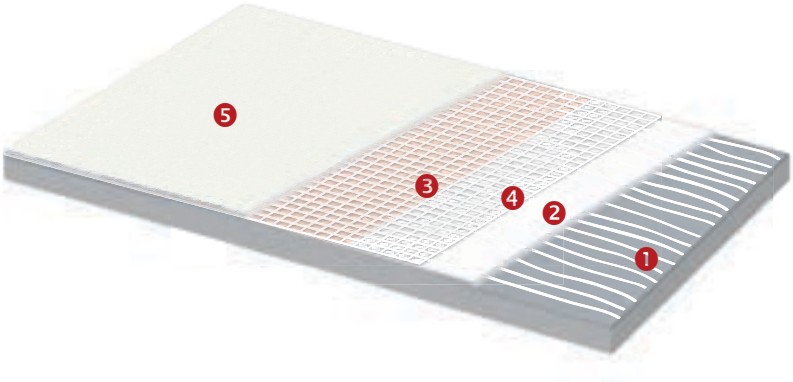
N-Thermon® System

Description
Innovative, thin thermal insulation system

Fields of application
- Ideal for interior surfaces, such as cold and moist walls, ceilings, basements, closets
- Suitable also for exterior thermal insulation installations

Properties - Advantages
- Minimizes the thermal losses and the expenses for heating and cooling
- Total energy savings up to 28,3%. Combined with the cool coatings **Neoroof®** and **Silatex® Reflect,** the total energy savings may rise up to 37,4% (Energy Saving Study by the University of Athens)
- Provides quicker heating of rooms
- Ideal system for repairs and renovations in existing buildings, due to the minimal total thickness (between 9 and 12mm)
- Certified as a system for its fire reaction behaviour (Classification B-s1-d0)

TECHNICAL CHARACTERISTICS		
N-Thermon® board	**6mm**	**9mm**
Foam Density (s) (EN ISO 845)	33kg/m^3	35kg/m^3
Thermal Conductivity Value (λ) (DIN 52612)	0,0306W/mK	0,0307W/mK
Thermal Resistance Value (R or 1/Λ)	0,1961m^{2}k/W	0,293m^{2}k/W
Heat Penetration Value (b)	2,4KJ/m^{2}h$^{1/2}$ K	2,4KJ/m^{2}h$^{1/2}$ K
Water Absorption (DIN 53434)	<0,1% vol.	<0,1% vol.
Water vapour permeability resistance factor (μ) (DIN 52615)	450	300
Water vapour diffusions – equivalents of air-layer thickness (sd = μ*s/1000) (DIN 52615)	2,7m	2,7m
Board dimensions	1,25 x 0,80m	1,25 x 0,80m



1. **N-Thermon® Glue**: specially developed, mould repellent glue
2. **N-Thermon® boards**: 6 & 9mm XPS boards
3. **N-Thermon® Primer**: quartz sand primer for the **Deplast®** plaster
4. **N-Thermon® Mesh 90gr**: alkali resistant fiberglass mesh
5. **Deplast®**: High-strength resinous plaster

REPAIRING MATERIALS

REPAIRING

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Epoxy bonding and sealing systems

Epoxol® Putty

Description
Two-component bonding-sealing system based on epoxy resins

Fields of application
As a structural adhesive and putty for concrete elements, hard natural stone, ceramics, fiber cement, bricks, masonry, steel, iron, aluminium, wood, polyester

Properties - Advantages
- Free from solvents, extenders, fillers, thus offering very high mechanical and chemical properties
- Excellent resistance to detergents, alkalis, fuels & lubricants
- Very good resistance to fresh water, sea water, dilute acids
- Can be rigid or elastic, depending on the mixing ratio, covering gaps and/or joints, where elasticity is required

TECHNICAL CHARACTERISTICS	
Compressive strength	73,5MPa
Tensile strength	12,7MPa
Flexural strength	33,3MPa

Packing
Sets (A+B) of 6kg and 1kg

Epoxol® Liquid

Description
Fluid version of **Epoxol® Putty** for spreading on bigger horizontal surfaces and filling smaller gaps and openings

Fields of application
Filling of gaps and cracks or holes in horizontal areas

Properties - Advantages
- Easier and quicker application on horizontal surfaces
- Very good adhesion on concrete, mortars, stone, steel and wood
- Covers difficult-to-reach areas on floors

Packing
Sets (A+B) of 6kg and 1kg

Epoxol® Extra

Description
Two-component injection epoxy resin

Fields of application
As an injection resin for structural repairs in concrete

Packing
Sets (A+B) of 1kg

Epoxol® 2004

Description
Fluid epoxy resin used for the impregnation of carbon fiber, aramide, and fiberglass sheets. Available with 2 types of harderner (fast, slow)

Fields of application
- Used for the impregnation of carbon fiber, aramide sheets and for the stuctrural reinforcement of broken concrete elements
- Repairing material in polyester composites e.g. boats, surfboards, car parts etc
- Anti-osmotic primer in boat repairs

Packing
20kg container (component A)
10kg container (component B, slow hardener)
3,6kg container (component B, fast hardener)

Cementitious repairing mortars

Neorep®

Description
High strength, thixotropic, non-shrinking, fiber-reinforced cementitious repairing mortar. Meets the requirements of Class R4 of EN 1504-3

Fields of application
Repairs of damaged, cracked or broken concrete elements (e.g. columns, beams, slabs), cracks and joints on concrete surfaces and industrial floors, visible reinforcements and concrete pipes

TECHNICAL CHARACTERISTICS	
Compressive strength (28 days) (EN 12190)	≥ 55MPa
Flexural strength (28 days) (EN 12190:2001)	≥ 6MPa
Adhesion to substrate (EN 1542)	≥ 2,8MPa
Modulus of elasticity (EN 13412)	≥ 20,5GPa
Consumption (per mm of thickness)	**1,75kg/m²**

CE

Appearance / Colour
Powder / Grey

Packing
25kg in bags

Neorep® Rapid

Description
Fast-setting, high strength and non-shrinking cementitious repairing mortar. Meets the requirements of Class R3 of EN 1504-3

Fields of application
For repairing applications similar to **Neorep**®'s, when faster setting time is required

TECHNICAL CHARACTERISTICS	
Compressive strength (EN 1015-11)	18,1MPa
Flexural strength (EN 1015-11)	5,1MPa
Consumption (per mm of thickness)	**1,61-1,70kg/m²**

CE

Appearance / Colour
Powder / Grey

Packing
25kg in bags

Neocret®

Description
Cementitious fiber-reinforced repairing mortar of high thixotropy

Fields of application
- For easy and durable repairing jobs on damaged, cracked or broken concrete elements
- As a repairing plaster locally (in a thickness up to 30mm) or in wider areas (in thicknesses up to 15mm)

TECHNICAL CHARACTERISTICS	
Compressive strength (EN 1015-11:1999)	22,8MPa
Flexural strength (EN 1015-11:1999)	9,4MPa
Consumption (per mm of thickness)	**1,5-1,8kg/m²**

CE

Appearance / Colour
Powder / White

Packing
25kg and 5kg in bags

Neostop®

Description
Extremely fast-setting cement for the instant sealing of water-leaking or moist spots, before the application of the succeeding repairing or waterproofing system

Fields of application
Applied locally on walls, ceilings or floors with leaking water presence, in the form of jets, drops or moisture

TECHNICAL CHARACTERISTICS	
Compressive strength (28 days) (EN 196-1)	32MPa
Flexural strength (28 days) (EN 196-1)	6,5MPa
Efficiency in volume of hardened cement paste	1,5kg/L

Appearance / Colour
Powder / Grey

Packing
20kg, 5kg and 1kg in plastic containers

Neofloor®

Description
Pourable, self-leveling cementitious screed, for smoothing or repairing imperfections on floors, before the application of laminate parquets, tiles, epoxy coatings etc.

Fields of application
- For smoothing and leveling of the substrate in indoor areas, before the placement of ceramic tiles, natural stone, plastic or wooden floors, carpet, epoxy coatings etc.
- Applied also as a final coating in low traffic floors located in auxiliary areas, such as home storage rooms, attics, etc.

TECHNICAL CHARACTERISTICS	
Compressive strength	50-60MPa
Flexural strength	7-8MPa
Consumption (per mm of thickness)	**1,5kg/m²**

Appearance / Colour
Powder / Grey

Packing
25kg in bags

Ferrorep®

CE

Description
Cement based anticorrosive coating for steel reinforcement of concrete elements

Fields of application
- In concrete repairs, as corrosion protection for steel reinforcement
- Also applicable as a bonding agent between old and new concrete

TECHNICAL CHARACTERISTICS	
Consumption	• **50-70gr per meter of reinforcement element for 2 layers and thickness of 1mm (depending on the rod's diameter)** • **1,3-1,5kg/m² for bonding old to new concrete**

Appearance / Colour
Powder / Terracotta

Packing
20kg, 4kg and 1kg in plastic containers

Neotex® PU Joint

Description
One-component, polyurethane elastomeric sealant, for various construction surfaces e.g. concrete, glass, anodized aluminum, wood, etc

Fields of application
Suitable for sealing joints and openings in any building surface in traditional masonry, civil and industrial applications, light and heavy prefabrications, interior decoration etc

TECHNICAL CHARACTERISTICS	
Hardness (Shore A - DIN 53505)	30±5
Tensile strength (ISO 8339)	0,82N/mm^2
Elongation at break (ISO 8339)	450%

Appearance / Colours
Grey, white

Packing
600ml in sausage, 310ml in cartridge

Jointex®

Description
Elastomeric mastic based on acrylic resins, for interior and exterior use. Remains elastic in a wide range of temperatures and it is UV-stable

Fields of application
Suitable for sealing joints and openings in various construction surfaces

TECHNICAL CHARACTERISTICS	
Hardness (Shore A)	20±3
Elongation (+25°C)	250%
Consumption	**app. 150gr/lin.m. for joints 1x1cm**

Appearance / Colours
Homogeneous paste / White, terracotta

Packing
15kg, 5kg and 1kg in plastic containers

Liquid adhesion promoters

Neobond®

Description
Special water-based acrylic polymer, suitable for strong bonding

Fields of application
- Bonding new to old concrete
- Bonding of tile adhesives, cement mortars or the self-levelling cementitious screed **Neofloor®** to various construction surfaces
- Suitable as a primer and adhesion promoter of cement mortars, plasters to old cement based substrates

TECHNICAL CHARACTERISTICS	
Solid content (ISO 1625, DIN 53189)	58 ± 1%
Density (ISO 8962, DIN 51757)	1,03kg/L
pH (ISO 1148, DIN 53785)	4,5
Consumption	**500-700gr/m² per layer**

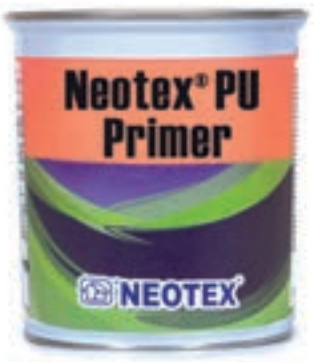
Appearance
Semi-transparent

Packing
5kg and 1kg in plastic containers

Neotex® PU Primer

Description
One-component, polyurethane adhesion primer for construction surfaces

Fields of application
- Adhesion improvement of elastomeric sealants, such as **Neotex® PU Joint**
- Stabilization of old concrete surfaces, preventing dust creation



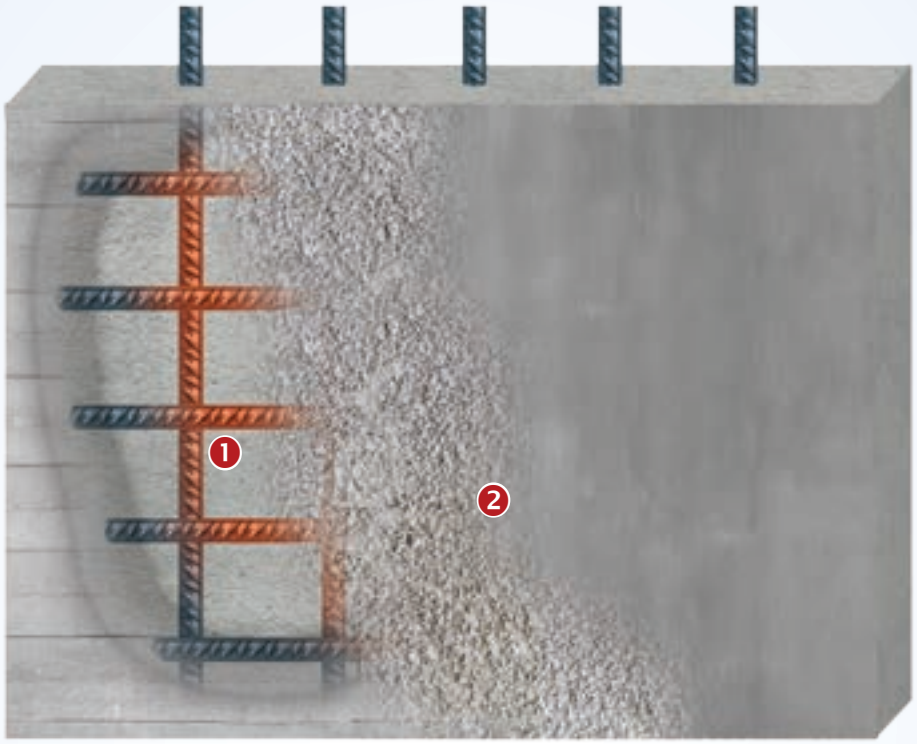
TECHNICAL CHARACTERISTICS	
Adhesion strength	> 2,5N/mm²
Dry to recoat (+25°C)	4 hours
Consumption	**150-200 gr/m² per layer on concrete surfaces (depending also on absorptivity)** **125-140gr/m² per layer on metallic surfaces**

Appearance (cured) / Colour
Glossy / Transparent

Packing
1kg in tin cans

Repairing of Concrete Elements

Indicative Build-up of **Ferrorep® - Neorep®** System



1. Protection of steel reinforcement against corrosion: **Ferrorep®**
   *Indicative Consumption of **Ferrorep®**: 50-70gr per lin. m. of reinforcement for 2 layers and thickness of 1mm (depending on the rod's diameter)*

2. Repairing of the concrete element: **Neorep®**
   *Indicative Consumption of **Neorep®**: 1,75kg/m² per mm of thickness*
   *Maximum thickness of **Neorep®** per layer: 4cm*

Note: Prior to the application of Neorep® and for enhancing its adhesion on the concrete element, Ferrorep® may also be applied as a bonding agent on the whole surface which is to be covered
*Indicative Consumption of **Ferrorep®**: 1,3-1,5kg/m²*

SPECIALIZED PRODUCTS

SPECIALIZED PRODUCTS

Neopox® Pool

Description
Two-component solvent-based epoxy coating with UV filters, suitable for swimming pools

Fields of application
- Exterior & interior swimming pools, fountains, water tanks
- Metallic surfaces

Properties - Advantages
- UV filters incorporated → Increased resistance to chaulking
- Highly resistant to the chlorination chemicals
- Excellent protection against fresh water, sea water, alkalis, dilute acids

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	75:25
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 4060)	57mg
Adhesion strength (EN 13892-8)	≥ 2,5N/mm²
Resistance to temperatures (dry loading, periodically)	-50°C / +140°C
Consumption	**250-330gr/m² for two layers (depending on substrate)**

Appearance (cured)
Glossy

Colours
9003 | 1013 | 1533 | 2930

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Packing
Sets (A+B) of 10kg, 5kg & 1kg

Neopox® Special Primer 1225

Description
Two-component solvent-based epoxy anti-corrosive primer, suitable for the protection of metallic surfaces

Fields of application
Metallic structures, tanks, pipes, fences, etc.

Properties - Advantages
- Long-lasting anti-corrosive protection
- Highly durable and resistant to adverse weather conditions
- Excellent protection against fresh water, sea water, alkalis, dilute acids, industrial atmosphere

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	80:20
Consumption	**140-170gr/m² per layer**

Appearance (cured)
Glossy

Colours
Terracotta. Available in grey upon request

Packing
Sets (A+B) of 10kg, 5kg and 1kg

Neopox® CR

Description
Two-component solvent-free epoxy system, suitable for applications which require very high chemical resistance

Fields of application
- Tanks (internally) and surfaces in direct contact with chemicals (acids, bases, petrochemicals)
- Shafts, sewage tanks, water treatment facilities

TECHNICAL CHARACTERISTICS	
Mixing ratio (by weight)	75:25
Adhesion Strength	≥ 2,5N/mm²
Consumption	**330-400gr/m² per layer (depending on substrate)**

Colour
Black

Packing
Sets (A+B) of 10kg

Betofix® Waterstop

Description
Durable solvent-based coating with resistance to negative water pressure for the protection of moist surfaces

Fields of application
- Concrete surfaces in basements, walls and air-conditioned rooms with high and constant humidity levels

TECHNICAL CHARACTERISTICS	
Density	1,42kg/L
CURING DETAILS	
Drying time (+25°C)	4-5 hours
Dry to recoat (+25°C)	24 hours
Consumption	**500gr/m² for two layers**

Packing
5kg and 1kg in tin cans

Neocrack®

Description
Non-explosive demolition mortar

Fields of application
Construction projects where explosives cannot be used for safety reasons

TECHNICAL CHARACTERISTICS	
Consumption	**Concrete: 5-10kg/m³** **Concrete with reinforcement: 20-30kg/m³** **Rock: 4 -20kg/m³** **(depends on the hardness and the structure)**

Appearance / Colour
Powder / Grey

Packing
15kg in plastic containers

Worldwide references

Taneco Oil Refinery, Kazan, Tatarstan

Renault Showroom, Marseille, France

Aluminum Factory, Dammam, Saudi Arabia

Ostankino TV Tower, Moscow, Russia

Platinum Tower, Beirut, Lebanon

National Theatre, Nicosia, Cyprus

STX-OSV Shipyard, Tulcea, Romania

Eatopia-Gate Mall, Doha, Qatar

Glushkova, Kiev, Ukraine

Luxury Residential Project, Tunis, Tunisia

Antananarivo Airport, Antananarivo, Madagascar

Metro Station, Tbilisi, Georgia

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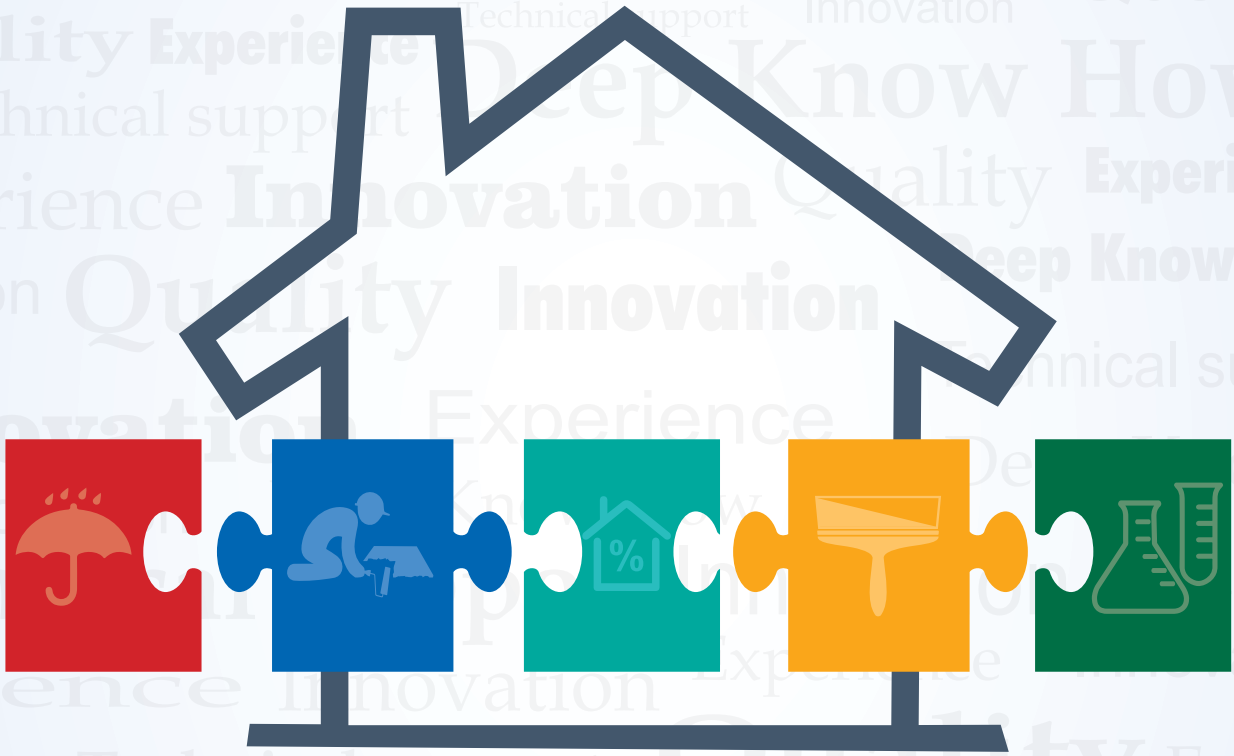

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