

ATHENS: V. Moira str., P.O. Box 2315, GR 19600 Industrial Area Mandra, Athens, Greece, Tel.: +30 210 5557579, Fax: +30 210 5558482  
THESSALONIKI: Ionias Str., GR 57009 Kalochoi, Thessaloniki, Greece, Tel.: +30 2310 467275, Fax: +30 2310 463442

## Neodur<sup>®</sup> Polyurea S

### Aliphatic polyurea varnish for stone carpets

<b>Description</b>	Transparent aliphatic polyurea varnish, ideal for sealing stone carpets. It exhibits high mechanical strength and has long lasting resistance to UV radiation, without yellowing.
<b>Fields of application</b>	<ul style="list-style-type: none"> <li>• Sealing of stone carpets (e.g. from <b>Neodur<sup>®</sup> Polyurea</b> and quartz sand)</li> <li>• Protection of decorative cementitious screeds (micro-cement)</li> <li>• As a final protective layer on industrial floors, metallic &amp; cementitious surfaces, especially in areas near the sea</li> </ul>
<b>Properties - Advantages</b>	<ul style="list-style-type: none"> <li>• Exceptional resistance to UV radiation and weather conditions. It does not turn yellow even after many years</li> <li>• Very good adhesion to numerous substrates</li> <li>• Protects the stone carpets from water absorption</li> <li>• Presents high hardness and resistance to bending, compression and abrasion</li> <li>• Exhibits good alkali resistance</li> </ul>

#### Technical characteristics

<b>Appearance of mixture</b>	Transparent
<b>Density</b>	1,09g/cm <sup>3</sup>
<b>Mixing ratio (by weight)</b>	45A:35B
<b>Gloss (60°)</b>	85GU
<b>Adhesion strength (EN 13892-8)</b>	≥2,5N/mm <sup>2</sup>
<b>Abrasion resistance (Taber Test CS 10/1000/1000, ASTM D4060)</b>	24mg
<b>Hardness (Elcometer 3092)</b>	14N
<b>Resistance to temperatures (dry loading)</b>	-30°C min. / +80°C max.
<b>Pot life (+25°C)</b>	25 mins
<b>Drying time (+25°C)</b>	5 hours
<b>Total hardening</b>	~ 7 days
<b>Consumption</b>	0,700-1kg/m <sup>2</sup> per layer for sealing a stone carpet with quartz 0,6-1,2mm



## Neodur<sup>®</sup> Polyurea S

### Instructions for use

**Substrate preparation:** The surface must be stable, clean, dry, protected from rising moisture and free from dust, grease and loose materials. Older layers of varnishes or primers should be removed and the surface should be thoroughly cleaned mechanically or chemically. Depending on the substrate, appropriate mechanical preparation may be required, in order to smooth the irregularities, open the pores and create the optimum conditions for adhesion.

**Application:** Components A&B are mixed at the predetermined ratio and stirred for app. 3 minutes with a low speed electric stirrer until the mixture is homogeneous. The mixture should then be left for app. 5 minutes inside the can to rest and it is afterwards applied on the surface by roller, paint brush or smooth trowel.

- In case of application on micro-cement coatings, it is advisable to dilute the mixture with solvent **Neotex<sup>®</sup> 1080**
- In case of sealing stone carpets created with **Neodur<sup>®</sup> Polyurea**, it is *not* advisable to dilute the mixture with solvent

### Special notes

- **Application conditions:** Substrate moisture < 4% / Relative air humidity < 65% / Ambient temperature: from +10°C to +40°C
- Low temperatures and high humidity during application prolong drying times, while high temperatures reduce them
- The product should not be applied in case humid weather and low temperatures (below +10°C) are expected to prevail before the film is completely dry. Especially when the use is exterior and rain or high humidity are anticipated within the next 48 hours, the application should be postponed.
- In case of substrates that have been pre-treated with water-repellent impregnation coatings (siloxane-based, etc.), the product should not be applied
- **Neodur<sup>®</sup> Polyurea S** gives a “wet” look to the stone carpet and it is not recommended to apply it on stone carpets that are created exclusively with the use of light-colored quartz sand. It is proposed to use on stone carpets that contain quartz sand of 2 or more different colour shades.

### Cleaning of tools

Immediately after the application with solvent **Neotex<sup>®</sup> 1080** or **Neotex<sup>®</sup> 1021** or **Neotex<sup>®</sup> PU 0413**

### Stain removal

By the above solvents, while the stain is still damp. In case of hardened stains, by mechanical means



ATHENS: V. Moira str., P.O. Box 2315, GR 19600 Industrial Area Mandra, Athens, Greece, Tel.: +30 210 5557579, Fax: +30 210 5558482  
THESSALONIKI: Ionias Str., GR 57009 Kalochoi, Thessaloniki, Greece, Tel.: +30 2310 467275, Fax: +30 2310 463442

## Neodur<sup>®</sup> Polyurea S

---

**Packing**

Sets of 8kg in metal cans (in the predetermined mixing ratio of components A&B by weight)

---

**Storage stability**

1 year, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.

---

