

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[®] FT Putty

Fast-curing, aliphatic, polyaspartic polyurea putty

Description

Fast-curing, aliphatic, polyaspartic polyurea putty for sealing, bonding, fixing, leveling and other repairing applications, on floors and walls. Ideal solution for repairs on floors to be coated with the fast-curing aliphatic polyurea **Neodur[®] Fast Track** systems

Fields of application

- Repairing applications that require mechanical strength and chemical resistance, as well as impermeability to water
- Bonding of building elements (concrete, metal, wood, ceramics, etc.)
- Leveling, smoothing and repairing on floors, before they are coated by epoxy, polyurethane or polyaspartic systems

Properties - Advantages

- Quick drying - Can be overcoated 2 hours after it has been applied, thus contributing to the rapid completion of projects
- Excellent resistance to UV radiation
- Consists of pure resins and selected hardeners, free of solvents, inert material or filler
- Exhibits strong bonding ability
- May also be applied on vertical surfaces
- Due to its semi-transparent appearance, it can also be overcoated by transparent coatings, such as the elastic aliphatic polyurea varnish **Neodur[®] FT Clear**

Technical Characteristics

Appearance of mixture	Transparent – milky white
Density	1,09g/cm ³
Mixing ratio (by weight)	100A:62B
Adhesion strength (EN 13892-8)	≥2,5N/mm ²
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Pot life (+25°C)	10 mins
Drying time (+25°C)	2 hours
Total hardening	~ 24 hours
Consumption	1,1kg/m ² per mm thickness

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Instructions for use

Substrate preparation: The surface must be stable, clean, dry, protected from rising moisture and free from dust, grease and loose materials. 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. If required, cleaning of surfaces, that are to be bonded, may be executed with the use of solvent **Neotex[®] 1021** or **Neotex[®] PU 0413**.

Priming: The priming of the surface follows, with the use of the most suitable primer, depending on the substrate, the prevailing conditions and the requirements of the project. For concrete surfaces, as long as the moisture content of the substrate is up to 4% and there is no rising moisture, it is proposed to apply the fast-curing hybrid PU-polyurea primers **Neodur[®] Fast Track PR** or **Neodur[®] Primer SF**, by roller, in one layer (a second layer may be needed in cases of increased substrate porosity). Alternatively, an epoxy primer from the **NEOTEX[®]** range may be used, such as **Epoxol[®] Primer**, **Acqua Primer**, **Epoxol[®] Primer SF**, **Neopox[®] Primer WS** or **Neopox[®] Primer AY**, depending on the needs and the condition of the substrate.

Application: Components A&B are mixed thoroughly at the predetermined ratio with a proper hand tool, until the mixture is homogeneous. The mixture should then be left only for app. 1 minute and it is then spread immediately on the horizontal application surface, so that the event of hardening before application is avoided. **Neodur[®] FT Putty** is applied by smooth trowel, pushing it in a way so that all gaps are filled. The material may be sanded after 2 hours and it may then be overcoated by a compatible paint (e.g. **Neodur[®] Fast Track**) or self-leveling system (e.g. **Neodur[®] Fast Track SF**)

Special notes

- **Application conditions:** Substrate moisture < 8% / Relative air humidity < 65% / Ambient temperature: from +5°C to +35°C
- Low temperatures and high humidity during application prolong drying times, while high temperatures reduce them
- It is advisable that the exposure of the product to sunlight is avoided, since the development of high temperatures may lead to faster curing
- Due to the short time of workability, it is suggested to mix only as much material as may be possibly applied within this time frame. Especially with regard to the B component of the system, if the can is opened it can be cured with the moisture of the atmosphere, therefore it should be mixed and used immediately. The remainder of the can should be quickly sealed tightly.

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Cleaning of tools	Immediately after the application with solvent Neotex[®] 1021 or Neotex[®] PU 0413
Stain removal	By the above solvents, while the stain is still damp. In case of hardened stains, by mechanical means
Packing	Sets of 1kg 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. Component B may harden inside its can, in case it comes in contact with ambient moisture