

U14 – NEUCEGLUE 100 – Paste Adhesive Mortar for base Coating for EPS boards

DESCRIPTION:



NEUCEGLUE 100, is based on special water-based copolymers, charges and selected aggregates which provide a very good connection with cement and additives that will give a good adhesion to the surface.

The mortar of sand-finish aspect that you obtain by mixing **NEUCEGLUE 100** in the right proportions with Portland cement, has excellent properties in terms of adhesion, resistance to alkaline substances, providing good conditions for its main application, gluing and regulating the expanded polystyrene (EPS) plates for the external thermal insulation system (ETICS), NEUCETHERM.

FEATURES:

“**NEUCEGLUE 100**” provides to the mortars:

- Excellent resistance to alkalinity.
- Permeable to water vapor.
- Good waterproofing and a certain flexibility.
- Resistance to carbonation and wear.
- Great adhesion capacity to the surface.

SPECIFICATIONS:

- **Density**.....1,500±0,10
- **Aspect**.....Textured and milky.
- **Compound total drying**
 - ❖ **For the layer replacement**.....12-24 hours
 - ❖ **For the finishing repaint**.....3 days minimum
- **VOC (volatile organic compound)**....^{a)} EU limit value set for this product cat. (A/h) 30 g/l (2010). This product contains a maximum of 6 g/l VOC.

RECOMMENDED USE:

The mortar composed by “**NEUCEGLUE 100**” and the cement, in the following proportions is destined to:

- Gluing of expanded polystyrene (EPS) plates, in the NEUCETHERM system, the external thermal insulation (ETICS) on brickwork, concrete, cement blocks, cement-based plaster, pre-made panels and stones.
- Coating of insulation plates (plates of expanded polystyrene) and incorporation of the armor in fibreglass.
- In the plastering of hard adhesion surfaces.
- As a final layer of fine sand-finish and as the regularization of thick plaster.

**SURFACE
PREPARATION:**

Surfaces have to be homogeneous, dry, and free of dust, grease and non-adhered particles.

The surface must not have undulations or irregularities bigger than 1 cm. In this case to proceed to the homogenization of the surface in order to obtain a surface as flat as possible.

**MORTAR
PREPARATION:**

To mix mechanically 100 parts of **NEUCEGLUE 100** (as supplied) with 100 parts of Portland cement until to have a perfectly homogenous mortar.

Use the mortar during the next 3 hours.

25 kg **NEUCEGLUE 100**: 25 kg Portland cement

**DIRECTIONS FOR
USE:**

- Gluing of expanded polystyrene (EPS) plates.

The surface constitution and superficial planimetry are important for the option to take about the gluing solution of the plates. If the surface is very flat (e.g. concrete, prefabricated panels, etc.), to apply the mortar by integral spreads with a notched trowel, which offers a homogeneous distribution and an exact quantity of mortar to spread, and then proceed to the gluing. If the surface is irregular, the application by partial points is recommended, about 6 to 9 points over the whole surface and a strip along the whole perimeter of the plates, then to proceed to the gluing. The insulation plates are glued from top to top, in horizontal strips from the wall basis having the benchmark defined by the startup profile.

Are disposed with vertical staggered joints, both in current areas or in the corners, carefully adjusting the edges to avoid open joints.

In the case of difficult conditions of adhesion, the mechanical fixation is advised, for that to use 8 bushings/m² and to apply 24 hours after the plates gluing.

- Coating of expanded polystyrene (EPS) plates.

Wait at least 48 hours (up to a maximum of 4 days) after the gluing. To apply the 1st layer of "NEUCEGLUE 100" in vertical panels, using a notched trowel. To coat the surface still fresh with a glassfibre net incorporated in mortar with a flat metallic trowel. On the armor emends there should be an overlap of about 10 cm. After drying (12 to 24 hours) to apply with a stainless steel trowel the 2nd layer of "NEUCEGLUE 100".

To proceed to the decorative finish after 3 days of drying, at least. To start to apply the primer NEUCETHERM PRIMER, and as final paint NEUCEDECOR - Organic Coating, NEUCEGOLD - Pure Acrylic Paint can be used.

The remaining applications are made using traditional methods with a spoon and smoothed with a trowel.

COVERAGE: 5 to 6 kg/m² for gluing and coating, depending on the surface
(of the compound) conditions.

CLEAN-UP: With water, right after application.

USE RECOMMENDATION S:

- EPS plates density has to be of 20 Kg/m³ and the measure of 1x0.5m, the plate thickness should be set by thermal calculation taking into account the regulation in force (RCCTE).
- Application temperature: 5°C to 30°C.
- Do not apply with a rainy weather or a strong heat, strong winds, on frozen or defrosting surfaces.
- Do not apply on surfaces that are friable or little resistant.
- Do not apply on horizontal surfaces or with an inclination inferior to 45°.
- The insulation should not coat expansion joints or ventilated areas.
- To protect the upper areas front façade panels, in order to avoid infiltration risks.

WARNING: “NEUCEGLUE 100” doesn’t present any risk for health as well as in its normal state as mixed with cement.
Keep out of the reach of children.
For more information, please read our product **Safety Data Sheet.**

STORAGE AND PACKAGING: Packages should be kept properly closed, in good environmental conditions of temperature and humidity, and spend the product on the chronological order of supply.
Use it, with preference, up to 1 year after its manufactured date.
It is supplied in packages of 25 Kg.

Note a) The value of the VOC previously mentioned concerns ready-to-use products, according to the technical specifications that we recommend. We do not take any responsibility for other mixtures made to the product. We draw special attention to all our agents for the responsibility that they take by not respecting what the Directive 2004/42/CE establishes.