

Neofil P 8

READY TO USE DISPERSION ADHESIVE, NO VERTICAL SLIP, EXTENDED OPEN TIME AND EASY WORKABILITY. SUITABLE FOR PROFESSIONAL WALL AND FLOOR LAYING OF CERAMIC TILES, MOSAICS, NATURAL STONE THAT IS NOT SENSITIVE TO MOISTURE, ON GYPSUM, PLASTERBOARD AND ANHYDRITE SCREEDS WITHOUT USING PRIMER AND FOR BONDING THERMAL INSULATION OR SOUND-ABSORBING PANELS. FOR INDOOR USE.



TECHNICAL DATA SHEET - REVISION 01/2024

DESCRIPTION

NEOFIL P 8 is a ready-to-use dispersion adhesive based on synthetic resins in water dispersion, mineral fillers and special additives. NEOFIL P 8 comes in the form of a viscous, easily trowel-workable paste with a long open time and good thixotropy that also allows for vertical applications without the risk of dripping or slipping tiles. The setting of NEOFIL P 8 takes place by evaporation of the water it contains, until it achieves excellent flexibility and adhesion, which resists deformation of building materials.

For thicknesses up to 8 mm.

It conforms to European Standard EN 12004 - Class D1TE · Normal dispersion adhesive (D) (1) with no vertical slip (T), extended open time (E).

FIELDS OF APPLICATION

NEOFIL P 8 can be used indoors, both on walls and floors, for gluing tiles, ceramic mosaics of all types and sizes, natural stone that is not sensitive to moisture, on gypsum, plasterboard and anhydrite screed surfaces without the use of primer, cement-based plaster and screeds, self-levelling, cellular concrete, cast-in-place or prefabricated concrete, wood and wood-based substrates that are not sensitive to water. NEOFIL P 8 is also suitable for bonding heat-insulating or sound-absorbing panels such as polystyrene foam, polyurethane foam, cork, glass or rock wool, Eraclit, etc.

NEOFIL P 8 can also be used for bonding absorbent ceramic tiles on interior walls already painted with enamels, varnishes, water paints or temperas, provided that the paints are well anchored to the plaster and do not show any obvious signs of deterioration. Installation on lime-treated walls is not recommended.

SUBSTRATE PREPARATION

The substrates must be sufficiently dry and seasoned, mechanically resistant, flat, solid, compact, free of crumbling or inconsistent parts, without any dust and greasy substances, oil, paint, wax and any material that could compromise perfect product adhesion.

NEOFIL P 8 can be applied directly onto gypsum or similar substrates without the use of primer, provided the substrates are dry and solid.

The cementitious substrates must have already completed the hygrometric shrinkage that can be evaluated in one or two weeks for each cm of thickness for the plaster and in at least 28 days of total curing for cementitious screeds, unless they are made with quick-drying ready-to-use screed and NEOCEM PRONTO FIBRATO compensated shrinkage or with special NEOCEM hydraulic binder.

APPLICATION

Apply a zero layer of adhesive on the substrate with a smooth spatula, to ensure better adhesion and lengthen the open and adjustment time. Immediately afterwards, use a suitable toothed spatula to apply the required amount of mixture to ensure the back of the tiles are perfectly wet. Tiles are laid by applying firm pressure to ensure contact with the adhesive. The NEOFIL P 8 open time under normal temperature and humidity conditions varies between 40 and 45 minutes, so the tiles must be applied within this time. Always make sure that the adhesive spread on the surface is always fresh and has not formed the superficial film, in which case, refresh the adhesive by spreading it again with the notched trowel. For large tiles or tiles with an irregular reverse side, apply adhesive also on the reverse side of the tiles (double spreading technique), to avoid remaining gaps.

Coatings applied with NEOFIL P8 must not be subjected to intensive washing for the first 10 days after laying.

Make sure there are joints between tiles of at least 2-3 mm depending on the type and format of the coating. The grouting can be applied 6 hours after laying coatings and 24 hours after applying floors with the specific COLMEF mineral sealants, available in different colours. In the case of coating applications on very flexible structures, it is advisable to fill the joints with elastic or flexible sealants.

The surfaces can be used after 14 days, depending on the environmental conditions.

YIELD

2,5-3,0 kg/m².

RECOMMENDATIONS

- ◆ Do not use NEOFIL P 8 for outdoor applications.
- ◆ Do not use NEOFIL P 8 for applications on floors subject to rising damp.
- ◆ Do not use NEOFIL P 8 on metal surfaces or for laying non-absorbent tiles on non-absorbent substrates.
- ◆ Wash all the equipment used for preparation and application of the product with water while it is fresh. After setting, the adhesive can be cleaned with acetone or trichloroethylene.

PACKAGING

NEOFIL P 8 is supplied in drums of:

- ◆ 5 kg on 320 kg pallets
- ◆ 15 kg on 540 kg pallets
- ◆ 25 kg on 825 kg pallets.

Store the product in a dry place and in its original packaging, well closed and protected from frost. In these conditions its stability lasts at least 12 months.

SAFETY INSTRUCTIONS

The product is very adhesive. Use suitable clothing, gloves and protective glasses. Refer to the respective Safety Data Sheet for more information about how to use the product safely.

SPECIFICATIONS

Installation of ceramic tiles and mosaics of all types on gypsum, plasterboard and anhydrite screeds without the use of primer with ready-to-use dispersion adhesive, no vertical slip, extended open time and easy workability, classified as D1TE by Standard EN 12004, type **NEOFIL P 8** by Colmef Srl, suitable for indoor applications only.

TECHNICAL DATA

Compliant with Standard:	EN 12004
Class:	D1TE
Appearance:	thick paste
Colour:	white
Apparent specific weight (kg/l):	1.60
Solid residue (%):	85
Flammability:	no
Adjustment time:	≥ 60 min.
Wall grouting after:	6 h
Floor grouting:	24 h
Commissioning:	14 days
Allowed application temperature:	from +5 °C to +35 °C
Operating temperature:	from -30 °C to +90 °C

FINAL PERFORMANCE according to EN 12004 Class D1TE

	Results	Test method
Initial shear adhesion (N/mm ²):	≥ 1.0	EN 1324
Shear adhesion after thermal aging (N/mm ²):	≥ 1.0	EN 1324
Open time: traction adhesion (min.):	≥ 30	EN 1346
Vertical slip (mm):	≤ 0.5	EN 1308

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at www.colmef.com.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.

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