

EXPANCO 504

READY TO USE, POLYMER-MODIFIED CEMENT MORTAR FOR REPARATIONS ON VERTICAL SURFACES

GENERAL CHARACTERISTICS

EXPANCO 504 is a non-shrinking, polymer-modified, cement-based mortar for indoor and outdoor reparations on vertical surfaces.

- Suitable for repairing cracks, holes and generally damages on cement surfaces.
- Provides very good bonding to the substrate.
- Resistant to high mechanical stresses.
- Offered in two types. No1 (1-3mm) and No2 (5-30mm).

TECHNICAL DATA

Basis:	cementitious powder
Colors:	grey
Bulk density:	No1: 1,100 ± 0,010 kg/lit No2: 0,970 ± 0,010 kg/lit
Compressive strength: (ASTM D 695)	13 N/mm ² , 28 days at 23°C
Flexural strength: (Din 1164)	3 N/mm ² , 28 days at 23°C
Water demand:	approximately 35% water by weight of powder depending the desirable workability
Temperature for the application and drying of the material:	5 – 35°C
Application time:	approximately 15-20 min at 20°C

PREPARATION - APPLICATION

Applied on stable, clean surfaces, free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- **Good** cleaning of the surface from dust and residues using brushes etc.
- Dampening of the surface prior application of **EXPANCO 504**.
- Following a clean container is filled with the appropriate amount of water (approx 35% water by weight of **EXPANCO 504**).
- Then the material is added under continuous stirring using a low revolution mixer (300 rpm), until a uniform liquid mass is formed without any lumps.
- **EXPANCO 504** can also be combined with 5-10% **AKRYLEX 165 1101** for improving the adhesion to the substrate.
- **EXPANCO 504** is applied using a stainless steel spatula or trowel.

CONSUMPTION

- Approximately 1,3Kg/m²/mm, for reparations from 1-3mm (type No1).

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- Approximately 1,35Kg/m²/mm, for reparations from 5-30mm (type No2).
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APPLICATION

TOOLS

Stainless steel spatula, trowel. Tools should be cleaned with **WATER** before they dry.

PACKAGING

Supplied in bags of 25 kg.

STORAGE

One year in unopened bags in dry places with minimum temperature 5°C.

REMARKS

- Mixture that has started to harden should not be used or re-softened with water.
 - In hot weather **EXPANCO 504** should be watered after application in order to be protected from water loss.
 - Avoid application with blaze, wind or rain.
 - Application temperature must be between +5°C and +35°C.
 - At low temperatures it is recommended mixing of the material with warm water.
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CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

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