

CONBIT

Fast curing, waterproof and frost resistant mortar for laying and grouting of slate, concrete blocks, natural stone and curb stone against asphalt or concrete



APPLICATION AREA

Due to its good adhesion properties, **Conbit** is primarily used for:

- Bonding and grouting of slabs and stone, for example: slate, concrete or similar against asphalt.
- Grouting of concrete.

TECHNICAL INFORMATION

- Only add water to **Conbit**
- **Conbit** must only be laid at temperatures above 0°C
- The product contains chloride

INSTRUCTIONS FOR USE

Preparation

Removed where casting is to take place. Concrete surfaces must be watered, but free water must not occur when the mortar is to be laid out. In rainy weather, the surface may be dried with, for example, a gas burner. Asphalt can be treated with a slurry of 1 part **Conbit**, 1 part **Mapelatex RM** and 1 part water before bonding. Subsequent bonding must be done "wet on wet."

Mixing

For smaller quantities the mortar is mixed with a powerful drill and small amounts by hand. An agitator mixer or a conventional mortarmixer may be used for major work. Approx. 4 liters of water per bag with 20 kg **Conbit** provides easy workable consistency. Pour about 4 liters of water in the mixer, add 1 bag (20 kg), and mix until you obtain a lump free, homogeneous mixture in a minimum of 3 minutes. Adjust consistency, and mix for an additional minute. Do not mix more than that you will use in 45 minutes. Discard mortar that has started to solidify.

Application of product

Conbit is applied in thicknesses from 3 to 20 mm. Additional thickness must be achieved with several layers by adding sand. For example: 1 part by weight of **Conbit** to 1/2 part by weight of sand (0 - 2 mm). **Conbit** sets and hardens faster than traditional cement-based mortar, which provides additional benefits at low temperatures. Pot life at +20°C is approx. 1 hour.

Bonding of slate and stone

The mortar is poured unto the substrate and spread across the substrate with a notched trowel. The slates or stones are pressed into the mortar, squeezing it out on all sides. It is important that the entire contact surface is covered with mortar. If the mortar is used to build up irregularities in the substrate, use a thicker consistency. In such cases, the stone and the substrate must be primed with a thin slurry of pure **Conbit** (put some mortar in a bucket and add some extra water). For grouting between slates and stone, use a liquid consistency to ensure good penetration. For street curb stones, the joint between each 4th and 5th stone should be left open to provide room for expansion. Slate and natural stone need "back-buttering".

Grouting of concrete slabs

The mortar consistency for grouting is adjusted in accordance with the joint's shape. For joints wider than 20 mm add 1/2 part by weight of abrasive sand. Application is best done with special pumps.

Finishing

Conbit should only be used at temperatures above 0°C. Finishing is not usually required, but in particularly dry climate or weather, wet free surfaces for a few days, or apply a curing membrane immediately after casting.

CLEANING

Tools which have been used during the mixing procedure and spreading of **Conbit** can be washed off with water if it is done before the product hardens. After this, hardened mortar on tools can only be removed mechanically.

CONSUMPTION

2 kg **Conbit** gives about 1 litre mortar.

PACKAGING

Conbit is delivered in 20 kg sacks.

STORAGE

Conbit may be stored for at least 12 months if stored in a dry place and in its original packaging.
Conbit is in accordance with requirements in Annex XVII (EU n. 1907/2006 (REACH), section 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION

Consistency:	powder
Colour:	grey
Dry solids content (%):	100

PRODUCT APPLICATION DATA (at +20°C - 50% RH)

Mixing ratio:	4 - 5 liter water per 20 kg bag mortar
Consistency of mixture:	thixotropic
Density of mixture (kg/m ³):	2 000
Pot life (at +20°C):	approx. 60 min.
Application temperature:	from 0°C to 35°C
Open time (according to EN 1346):	approx. 20 min.
Adjustability time:	approx. 30 min.
Adhesion (to granite):	2.15 N/mm ²

PRODUCT PERFORMANCE

Resistance to alkali:	excellent
Resistance to oils:	excellent
Resistance to solvents:	excellent

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the technical data sheet, available from our web site www.mapei.no

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