

MORTAR IMPROVER AND PRIMING AGENT

Characteristic product properties

- Fast drying primer.
- Ideal for use as a bonding bridge.
- Adjuvant for mortar, which improves its physical and mechanical properties.
- Waterproof membrane designed for use with 2C R omnibind.

Applications

As a primer: Fast-drying primer for use on porous and sealed surfaces. Its special composition and highly liquid nature result in a short drying time, even on smooth concrete and existing tiling. The product is ready to use and can also be diluted for use on absorbent surfaces.

As a bonding bridge

When used as a bonding bridge, FLEX+ omnibind is ideal for use as a coating substrate on smooth surfaces and increases shear resistance. It is also ideal for use between concrete and cement screeds.

As a mortar finish

It can be used as an adjuvant in cement mortar mixing water, in order to make it dry more quickly (30-50% faster than normal), and makes cement screeds shrink slightly. This makes it especially suitable for floors with underfloor heating or if a shorter screed drying time is required. When added to the mortar or coating, it increases its shear strength and adhesion, making it suitable for use in areas affected by heavy vibrations, industrial traffic, chemical products, frost or the maritime climate. The product has a plasticising effect and reduces the water/cement factor. It is suitable for indoor/outdoor walls and floors.

2C R omnibind

When mixed with FLEX+ omnibind, 2C R omnibind is a fast-drying and elastic waterproof membrane for damp areas and, for example, water tanks. For further information, consult the "2C R omnibind" product sheet.

Appropriate surfaces

- | | |
|----------------------|------------------------------------|
| ■ Brick | ■ Approved cement-based board |
| ■ Existing tiles | ■ Pressed wood fibres/underlayment |
| ■ Concrete blocks | ■ Multiplex wood |
| ■ Cellular concrete | ■ Lime-cement coating |
| ■ Cement coating | ■ Sand-limestone |
| ■ Cement screed | ■ Ceramic interior bricks |
| ■ Plaster coating | ■ O-BOARD |
| ■ Plaster blocks | ■ Silicate board |
| ■ Plasterboard | ■ Wall heating |
| ■ Plasterboard panel | |

For specific details, please refer to our "General instructions for surfaces."

Other products/applications

- Impregnate with a gun TP omnibind and B2 omnibind.
- Waterproof mortars with a low quantity of additives: WD+ omnibind.
- Ready to use waterproofing: COAT omnibind.

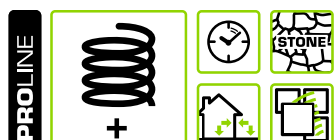
Preparing the surface

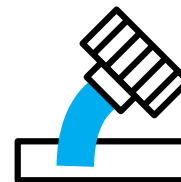
- Start by treating the surfaces, using Omnibind:
- The product can only be applied to surfaces, which are dry, resistant and free of oil, grease, dirt and dust.
- Cover surfaces that must not be treated or protect them carefully!

Instructions for application

- Apply the FLEX+ omnibind primer with a brush, roller or spray, according to the following proportions: undiluted on sealed surfaces for fast drying / on porous surfaces, dilute 1 part of product with 1 part of water.
- Drying time: as soon as the film is dry, it will be ready for the next treatment, depending on the temperature, ventilation and absorption, within 2 hours - 1 day.

Increased flexibility





Bonding bridge

When used as a coating substrate, the following instructions apply:

- Mix 2 parts of sand/cement with 1 part of FLEX+ omnibind.
- Always roughen the surface slightly after it has dried.
- Mix regularly when applying.
- The mortar must be applied before the bonding bridge dries and preferably after it has cured but is not yet dry.

When applied to the floor as a bonding bridge, the following steps should be taken:

- Mixture proportions: dilute 1 part of FLEX+ omnibind with 1 part of water. Add 4 parts of cement and 4 parts of sand (0-2 mm).
- Apply this bonding bridge using a large brush to the cleaned concrete floor.
- The finish layer must be applied onto the adhesive layer while it is still damp.

Mortar finish

The most common mortar finishes are:

- Cement mortar: mix 1:4 with FLEX+ omnibind diluted 1:3.
- Lime cement mortar: mix 1:2:12 with FLEX+ omnibind diluted 1:5.

Cement screeds layer thickness / volume parts	cement	sand	water	FLEX+ omnibind
2 mm	1	2 (fine sand)	0.6	0.3
5 mm	1	2 (sand)	0.3	0.2
10 mm	1	3 (sand)	0.4	0.2
20 mm	1	3 (coarse sand)	0.4	0.15
40 mm	1	3 (coarse sand)	0.4	0.15

2C R omnibind

- Pour undiluted FLEX+ omnibind into the tub, sprinkle it with 2C R omnibind and mix. If you need a more liquid mixture, FLEX+ omnibind can be diluted with 10% water.

General

- During application and curing, avoid humidity, draughts and direct sunlight.
- Do not apply during frosty weather. (this applies both to the surface and the ambient temperature).

Required tools

- Paintbrush, roller, brush and/or gun
- Large brush
- Measuring jug
- Mixer

Consumption

(these figures are provided solely for information purposes and do not give rise to any rights)

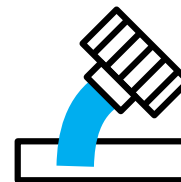
■ Primer	: 70-150 ml/m ²
■ Bonding bridge	
coating substrate	: 24 L/25kg of cement
floors	: 6 L/25kg of cement
■ Mortar finish	
Cementmortar	: 3.6 L/25kg of cement
■ Lime-cement mortar	: 5 L/25kg cement
■ Cement screeds:	
layer thickness	consumption per 25 kg of cement
2 mm	6.8 L
5 mm	4.5 L
10 mm	4.5 L
20 mm	3.4 L
40 mm	3.4 L

Cleaning tools

Clean with clean and preferably hot water immediately after use.

Product composition

FLEX+ omnibind is a plasticiser-free liquid, which is also alkali-resistant, based on vinyl ethylene acetate.

**Technical properties**

- Supplied in the form of : liquid, solvent-free
- Colour : white (transparent after drying)
- Application viscosity : approx. 1100 mPas (Brookfield RVT spindle 1; rpm 20)
- Solid matter content : 50% m/m
- pH value : approx. 4
- Min. temperature for film formation : 0° C
- Density : 1.06 kg/L
- Hardening : as a result of drying and polymerisation

Packaging

- Available in 1, 3 or 10-litre recyclable, plastic jerrycans.

Storage and shelf life

- Transport and store away from frost.
- Avoid extreme temperatures and direct sunlight.
- Keep packaging properly sealed.
- Maximum shelf life in original sealed packaging: 24 months.

Health and Safety

For more detailed information on safety when handling FLEX+ omnibind, please refer to the safety information sheet.

This technical data is based on many years of practical experience and laboratory research. We cannot be held liable for the work produced in accordance with our systems since factors on which we cannot make an assessment or influence also determine the final result. We guarantee that this product is always supplied in a quality that remains the same. If you have any doubts, we recommend performing tests yourself. See www.omnicol.eu for the most recent version of this TDS.