

# Technical Data Sheet

## ONDULIKIT OLC 520 2K

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OLC 520 2K ●  
OLC 720 2K ●  
OLC 1025 2K ●



### Product Definition

Cement and acrylic (elastomeric) resin-based, two components semi-elastic, water proofing material which is resistance to positive water pressure.

**Composition:** Cement and acrylic (elastomeric) resin-based, two components.

### Technical Data

Appearance	Component A: Grey colored fine powder, Component B: White colored liquid
Density	Component A: ~1,40 kg/lt, Component B: ~1,02 kg/lt
Mixture Rate	5,4 kg liquid / 20 kg powder
Pot Life	30 minutes
Application Temperature	Between +5°C and +35°C
Flexibility	Middle
Capillary water absorption and water permeability	w <0,1 kg/(m <sup>2</sup> . h <sup>0,5</sup> ) (EN 1062-3); 0,018 kg/(m <sup>2</sup> . h <sup>0,5</sup> ) (TS4045)
Water vapour permeability	Class I S <sub>D</sub> < 5 (EN ISO 7783-2)
Resistance to pressurized water	2 bars positive (DIN 1048)
Bonding strenght	≥0,8 N/mm <sup>2</sup> (EN 1504-2) (28 days)
Resting Period	3-5 minutes
Mechanical strength	3 days
Water impermeability time	7 days
Time to cover	3 days
Reaction to fire	B, s1,d0
Class of dangerous goods	Specification 5.3 favorable

### Accessories:

Brush, roller, trowel or spray machine

### Packaging:

Package Set

: Component A : 20 kg kraft bags

Component B: 5,4 kg plastic drum

### Storage – Expiry date

Protect from direct sun light, rain and frost. Can be stored for 12 months in its unopened original packages in dry places.

### Where to use and Properties

Can be used for waterproofing application of;

- Interior and exterior spaces
- Damp areas such as bathroom and kitchen
- Vertical/horizontal surfaces of terraces and balconies of all kind of buildings

- Provides seamless and jointless waterproofing
- Waterproof and semi-elastic
- Water vapour permeable, allows the concrete to breathe

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### General Application Steps of ONDULIKIT OLC 520 2K

1. The application surface must be well cured.
2. Application surface must be cleaned from materials such as dust, oil, earth pitch, paint, silicon, curing material, detergent and molding oil which prevent bonding.
3. The weak parts of the surface must be removed, then cracks and gaps on the surfaces should become solid and smooth by using of favorable product from ONDUFIX Repair Mortars Product Group.
4. If needed, vertical and horizontal corners must be beveled or bevel strips can be used during the application.
5. The application surface must be saturated with water and must be kept dampy during the application. However excess water should be removed completely from the application surface
6. Put Component B(5,4 kg) in a clean pot. Add Component A (20 kg) into the liquid slowly and stir preferably with a low speed (400-600 cycle/min) mechanical mixer until there are no lumps. Do not add any water or other liquids and powders Leave the prepared mortar for 5 minutes and then stir for another 1 min and will start the application. The prepared mortar must be used within 30 minutes, if this duration is exceeded, the mortar should not be used.
7. ONDULIKIT OLC 520 2K is applied to the surface at least two layers and layers must be perpendicular to each other. There must be a waiting period between two layers, minimum 5 - 6 hours – maximum 24 hours, at +20°C. Second layer must be applied before the first layer is completely dry. In case the first layer is dry, the surface must be moisturized again before the application of the second layer. The surface must be protected from dry, for 3 days after the application of the second layer.
8. It is recommended to use waterproofing mesh between two layers to increase the loadbearing of the surface and to reduce the formation of cracks.
9. ONDULIKIT OLC 520 2K must be applied minimum in two layers. It is recommended to apply three layers in places such as closed valleys, eaves, chimney bases where high protection is required (3,00-4,50 kg/m<sup>2</sup>).

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ONDULIKIT OLC 520 2K gets up its mechanical strength in 3 days after the application, becomes waterproof in 7 days after the application. It gets up its final strenght in 14 days.

ONDULIKIT OLC 520 2K must be protected against puncture and impacts before the application of last coating of the wall or floor coating.

### ONDULIKIT OLC 520 2K Consumption

Product	Consumption
ONDULIKIT OLC 520 2K	For 1 mm film thickness 1,00- 1,50 kg/m <sup>2</sup>
	For 2 layers 2,00-3,00 kg/m <sup>2</sup>

### ONDULIKIT OLC 520 2K Warnings – Health and Safety

1. Avoid application in temperatures below +5°C and above +35°C.
2. Avoid application at frozen areas, areas under risk of freezing in 24 hours or areas open to direct sunlight or wind.
3. Do not add water or any other liquids or any other powder to the mixture.
4. Always prepare the mixture by adding powder component to liquid component.
5. Be sure that liquid component will be well shaken before preparing the mixture.
6. During the application, the wet film thickness should not exceed 2mm.

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storage. According to the occupational health and safety rules ; working suits, protective gloves, glasses and masks should be us during the application If swallowed by accident, consult a doctor. In case of get in touch with skin, rinse with plenty of water. Must be stored out of reach of children.