

## MICROTOPPING CONCRETE OPTIK

Decorative wall cladding for walls with a “faceted” concrete effect and “formwork base.” (MT-OPTIK)

### Description

The Ideal Work MICROTOPPING® CONCRETE OPTIC system, thanks to a specific formulation of the Microtopping® powder, allows the realization of vertical coatings with the typical design of the panel reinforced face concrete. Suitable both for new substrates and for finishing existing or plastered surfaces.

### Features

- Can be applied on any compact substrate (e.g. ceramic, plasterboard, plaster, concrete) using a suitable primer.
- It forms a sturdy, continuous, jointless covering with a maximum thickness of 2 mm.
- Suitable for indoor and outdoor use as well as for bathrooms and wet environments.
- Resistant to UV rays and atmospheric agents.
- Water-based contains no solvents
- Classe VOC A+
- Formulated ready white colour can be pigmented with the colours of the Colour-Pack C line.

The MICROTOPPING CONCRETE OPTIC system consists of

- PRIMER R-R Holding Bottom (PRIMER-RR)
- Liquid polymer (MT-POL)
- Microtopping® powder type CONCRETE OPTIC (MT-OPTIK)
- Sheets - plastic sheeting (MT-OPTIK-PP)
- Decorative plastic buttons (MT-OPTIK-BUTT)
- Various protective resins

### Uses

- Wall cladding in private homes, offices, commercial facilities, exhibition areas.
- In renovations in overlay on existing ceramic or plaster coverings.
- In the renovation of bathrooms.
- For the covering of furnishing accessories.
- For exterior walls.

### **SUPPORT PREPARATION**

The substrate must be prepared by grinding or sanding. It must be clean, rough, free from contamination, intact and perfectly level. If necessary it can be consolidated with IDEAL BINDER mixed with water (1:1) . Any joints must be previously smoothed with a suitable product.

In the presence of cracks or gaps, apply a sheet of fiberglass mesh.

### Preparation on a ceramic background

1. Always sand with diamond disc.
2. Smooth the joints with IW-BLOCKER or other suitable product.
3. Apply Primer R-R with a roller

### Preparation on mortar plaster

1. Sand lightly with disc 60
2. Apply Primer R-R with a roller

### Preparation on plasterboard panels

1. Apply one Ideal Binder coat diluted 1:1 with water as a suction controlling primer.
2. Apply Primer RR with a roller

### **OTHER BACKGROUNDS**

Contact the Ideal Work technical office.

**It will be the care and responsibility of the applicator to evaluate the actual conditions of the background and the suitability of the indicated solutions on the particular construction site.**

---

### **Application**

Microtopping® is a complex system and the aesthetic effect of each application is highly dependent on the site conditions and the manner and timing of application. Only practice and practice will allow the applicator to fully master the various stages of the procedure. Avoid application at temperatures above 30° or below 10° or in conditions of relative humidity above 70%. Avoid the presence of dust in the site area.

### **MIXING**

Before and during the use of Liquid Polymer and powder should be stored in a cool place to increase the workability time. Weigh the components with a precision balance and strictly observe the ratios indicated in the data sheet. Mix the polymer for 3 minutes and then add 90% of the polymer to the previously weighed powder.

Stir until completely mixed by cleaning the edges of the jar, add the remaining 10% and stir for another 3 minutes.

The application time of the mixture depends on the temperature and humidity conditions: it is 20-40 minutes at 20°, while at higher temperatures it can be shorter (in case of cooling the polymer). Do not use the mixed product for more than 1 hour even if the viscosity of the mixture would allow it.

### **LAY OF THE MIXTURE**

Distribute evenly CONCRETE OPTIK with a steel trowel at a rate of about 2.5 -3.5 kg of mixture per m2 in a single coat. Within a few minutes apply the formwork sheets on the

surface, taking particular care to align them. Press evenly, expelling air from the entire surface. After no less than 24 hours remove the panels. The surface will be more closed and smoother the more vigorously the pressure is applied. Areas that remain in contact with air will be darker. Any air pockets will form open-pore areas that may be decorative motifs.

## Sealing

The application of the protective resin can be done not earlier than 24 hours (at a temperature between 10 and 30° with relative humidity not exceeding 70%).

For surface protection, the following products are recommended, please refer to the respective data sheets and to the Ideal Work technical office.

The resin can change the color of the surface, in some cases significantly.

For internal operations:

- IDEALPU WB EASY Cycle, water-based polyurethane
- IDEALPU WB EASY SL water-based satin polyurethane IDEALPU cycle
- FX ECO acrylic water-based FX cycle

For internal and external applications:

- Cycle Ideal Sealer M acrylic solvent-based (wet effect)

## Consumption

(toll +/-10%)

	Consumption per m <sup>2</sup>		Mixing ratio
	CONCRETE OPTIK per m <sup>2</sup> (kg/m <sup>2</sup> )	Polymer per m <sup>2</sup> (kg/m <sup>2</sup> )	Kg polymer to 1 kg di polvere
<b>CONCRETE OPTIK cons. for 1 m<sup>2</sup></b>	1,7-2,5	0,73-0,86	0,44 kg polymer / 1 kg powder

## Packaging / Storage / Disposal

Microtopping powders are packaged in buckets in the following formats

MT-CONCRETE OPTIK	MT powder	kg 10,00	buckets
MT-POL	Polymer	kg 17,00	buckets
		kg 8,50	buckets
MT-OPTIK-PP	plastic-sheets	10 sheets 70X100cm	box
MT-OPTIK-BUTT	decorative buttons	25 pc	bags

All products stored and sealed in their original packaging at a temperature between 5 and 30 ° will keep for at least 12 months.

## Warnings

Avoid conditions that may encourage different setting times between areas, such as air currents and solar radiation.

**Ideal Work declines all responsibility regarding the achievement of the declared performance for the system and the success of the work if it was not installed totally in accordance with these guidelines or with products not covered by them.**

**Ideal Work also declines all responsibility for the aesthetic aspect of the finished surface which depends on laying methods, processing times and the climatic conditions prevailing on the construction site at the time of application. The applicator must take these factors into account when applying the materials provided by the writer.**

---

**IMPORTANT:**

All information contained herein is based on the best and most recently available practical and laboratory testing. It is the All information contained herein is based on the best and most recently available practical and laboratory testing. It is the customers responsibility to determine that the product is suitable for their chosen application. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before full scale application. This document replaces all previous versions. The data can be changed at any time. Also note that the products are intended for professional use only. Ideal Work provides training, updates and refresher courses for their regular customers on request. Anyone using these products without being enabled does so at their own risk.

EDITION 01 dated 25.08.2020 - Rev. 00 dated