

Over 30 years of success  
 in new build, renovation  
 and repair

**Renovation and  
 repair of balconies  
 in just one day!**

**WIDOCRYL-PM**

A liquid synthetic product for waterproofing and coating balconies, terraces, arbours and pergolas.

**Using the product**

**Preparation**

Substrates must be dust-free and dry, free of loose particles and free of oil and grease. Smooth surfaces, e.g. metals, glass and ceramic, must be mechanically abraded. Cement slurries, paintwork, existing coatings and any parts capable of reducing adhesion must be removed by blast-cleaning or sanding. The residual moisture in the concrete must not be greater than 6 %.

*With some substrates a priming coat may be necessary.  
 Please be sure to observe the relevant priming instructions.*

**System structure**

The WIDOCRYL-PM waterproofing system is carried out in several operations. The first step is to create the surface seal, which means both smoothing out any unevenness and fixing the mesh fabric. The second step is to apply the levelling layer, while the third involves applying the decorative wearing layer (or wearing course and sealing). If required, the wearing layer can be finished with chippings or granite pellets. When using the latter, follow-up by sealing with WIDOCRYL-Klarlack PM, if using chippings, with WIDOCRYL-Versiegelung PM.

**Material preparation**

WIDOCRYL-PM is a two-component product. It consists of methyl methacrylate resin and a hardening powder. The addition of the hardener will depend on the temperature. Before the hardener is added, the resin must be vigorously stirred, so that the pigments, solids and resin form an homogeneous compound. WIDOCRYL-Topsiegel PM and WIDOCRYL-Versiegelung PM also consist of resin components and hardener. The addition of the hardener is also dependent on the temperature.

**Penetrations**

For penetrations the pure WIDOCRYL-PM-mixture (resin and hardener) and the polyester mesh fabric G165 are used as reinforcement. Consumption of WIDOCRYL-PM: approx. 3.0 kg/m<sup>2</sup>.

**Surface waterproofing**

The surface waterproofing is created from WIDOCRYL-PM and the hardener. The polyester mesh fabric is laid on the surface to be waterproofed and the ready-to-use mixture (WIDOCRYL-PM and hardener) is applied to the surface and then spread with a perlon roller. Consumption of material is approx. 1.0 kg/m<sup>2</sup>. Curing time is approx. 20-30 mins. Immediately after curing the following work can be carried out.

**Equalisation layer**

For the equalisation layer you will need approx. 1.0 l (equal to approx. 1.4 kg) WIDOCRYL-PM with hardener and the same quantity (equal to 1.0 l) kiln-dried quartz sand per m<sup>2</sup>. Stir the hardener into the base resin, then mix the kiln-dried quartz sand, (grain size 0.1 – 0.3 mm), with the WIDOCRYL.

Pour the ready-to-use mixture of resin and quartz sand onto the surface and spread with a filling knife. Curing time is approx. 20 – 30 min.

**Wearing layer – version A**

For a decorative wearing course apply the ready-to-use mixture of WIDOCRYL-Topsiegel PM and hardener as a self-levelling layer and spread with a serrated spatula or perlon roller. For a decorative look you can sprinkle synthetic chippings into the resin layer while it is still wet. Alternatively, sealing can be carried out using WIDOCRYL-Versiegelung PM.

**Wearing layer – version B**

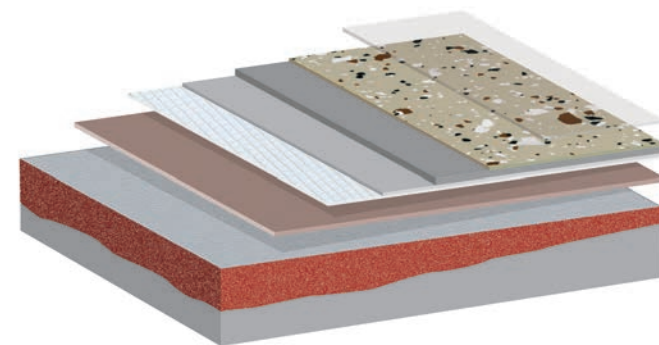
When using granite pellets as a decorative covering, also apply a layer of ready-to-use mixture of WIDOCRYL-PM and hardener to the prepared equalisation layer. After this, sprinkle the granite pellets into the still wet layer of WIDOCRYL. The surface must then be sealed with a ready-to-use mixture of WIDOCRYL-Klarlack PM. Marble chip or coloured quartz sand mixtures can also be used.

**The colours**

WIDOCRYL-Topsiegel PM is available in a variety of colours. The colour range has been chosen on the basis of the RAL colour chart. Granite chippings are also available in many attractive colours.

**Sequence of layers for the WIDOCRYL-PM system**

- WIDOCRYL-Versiegelung PM – if required
- WIDOCRYL-Topsiegel PM with sprinkled chippings
- Equalisation layer with WIDOCRYL-PM – filled with quartz sand
- Surface waterproofing with WIDOCRYL-PM and reinforcement
- Priming coat – if necessary
- Levelling of the WIDOPERL layer
- WIDOPERL polymer light screed
- Substrate, e.g. concrete or screed



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 für Sanierung  
 und Neubau**

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**Liquid synthetics  
 for renovation  
 and new build**

Joint sealing  
 Flat roofs  
 Balconies  
 Terraces  
 Arbours  
 Car park floors  
 Detail transitions

**WIDOCRYL-PM**



The liquid synthetic  
 waterproofing and coating  
 for balconies, walkways and terraces.

**WIDOCRYL-PM: for better liquid waterproofing and coating**



# Balconies

*an additional living space –  
at least when the weather  
is at its best.*

*The ambience should be as pleasant  
as possible, whilst furnishings, plants  
and floor design should all meet the  
most exacting standards.*

*Life on the balcony or terrace ...  
for pure, unadulterated pleasure!  
But for this, reliable waterproofing  
and decorative wearing courses  
are essential.*

*It was for this application that  
WIDOCRYL-PM was created.*

*- Reliable waterproofing  
and decorative surface coating  
using just one material which is ready  
to use after only one day.*

**Balcony renovation and repair in just one day,  
- with WIDOCRYL-PM it's just not a problem!**

## WIDOCRYL-PM

Waterproofing  
and coating  
with liquid synthetic material

**WIDOCRYL-PM** is a two-component methyl methacrylate resin-based liquid synthetic waterproofing and coating system for balconies, terraces and walkways, as well as for all types of penetrations and detail work.

For reinforcement, a polyester mesh fabric is encapsulated in the surface, whilst the polyester mesh fabric G165 is used for penetrations and detail work.



### Product properties

- ◆ quickly rainproof (approx 15 min.)
- ◆ excellent stability for penetrations
- ◆ can be used from – 5 °C to + 30 °C
- ◆ walkable and withstands mechanical loads
- ◆ reinforced with polyester mesh fabric
- ◆ UV-stabilised and weather-resistant
- ◆ resistant to ageing
- ◆ vapour diffusion permeable
- ◆ homogenous and fills cracks

### Delivery formats

**WIDOCRYL-PM**

13 kg tin-plated container

**WIDOCRYL-Topsiegel PM**

10 kg tin-plated container

**WIDOCRYL-Sealing PM**

10 kg tin-plated container

**WIDOCRYL-Primer PM**

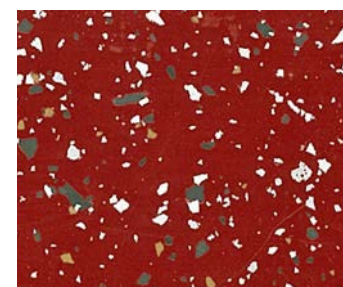
5 and 10 kg tin-plated container

**WIDOCRYL-Concrete Primer PM**

10 kg tin-plated container

### Possibilities for use

WIDOCRYL-PM can be used for balconies, terraces and walkways, as well as for all penetrations on rising structural elements, attachments to openings and detail work, whether for new build or renovation and repair.



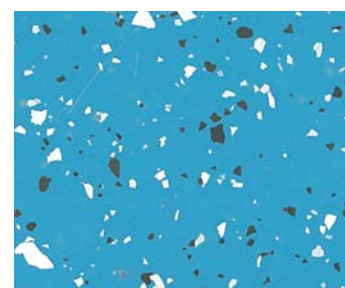
Oxide red



Window grey



Beige



Light blue



Light ivory



Leaf green

**WIDOCRYL-Topsiegel PM** is produced in the standard colours Kieselgrau (= pebble grey), Lichtgrau (= light grey), Fenstergrau (= window grey), Beige (= beige), Oxidrot (= oxide red), Elfenbein (= ivory) and Hellelfenbein (= light ivory). Special colours based on the RAL chart are available.

In terms of shade and brightness, colour samples may vary. The original colours may differ from the examples shown here.

rapid waterproofing and coating with **WIDOCRYL-PM**