

WIDOCRYL-SV balcony system

System design

The WIDOCRYL-SV waterproofing system is implemented in several work processes.

Please follow the current priming instructions for the pre-treatment and priming of the substrate!

The 1st step is the production of the surface waterproofing. When using the scrim, it is fixed with the sealing resin and the sealing function is established.

According to DIN 18531, part 5, waterproofing with ETA has to be made according ETAG 005 or EAD. In this case, WIDOCRYL-Detail with the polyester grid fleece G 165 has to be used. In case of very rough substrates, a scratch coat may also become necessary before. During the 2nd step, the wear layer is applied. In another operation, decorative designing by chips or using granite granulate becomes possible. When using granite granulate, a sealing with the WIDOCRYL PM sealant is performed subsequently.

Material preparation

WIDOCRYL-Detail consists of two components: Methacrylic resin and a hardener powder. The hardening agent amount is added depending on the temperature. Before adding the hardening agent, the resin has to be stirred up intensively in order to ensure that pigments, solids and resin form a homogeneous mass. The self-levelling mortar WIDOCRYL-SV and the WIDOCRYL-Topsiegel SV consist of resin component and hardening agent. The hardening agent is also added depending on the temperature.

Surface waterproofing

WIDOCRYL-Detail is mixed with hardening agent for the surface waterproofing. Depending on the design type, the scrim G 120 or polyester grid fleece G 165 is used as insert.

The processing notes have to be observed and can be looked up in the current processing instructions.

The following work can be carried out immediately after hardening.

Wear layer

WIDOCRYL-SV with hardening agent and WIDOCRYL powder SV are required for the wear layer.

WIDOCRYL-SV resin is mixed with WIDOCRYL powder SV and, subsequently, the hardening agent is added. Apply the resin-powder mixture ready for work to the surface and spread it over the surface using an application trowel with triangular toothed strip.

Sealing of the wear layer with WIDOCRYL-Topsiegel SV

As decorative wear layer, WIDOCRYL-Topsiegel SV is applied as self-levelling layer and spread using the nylon roller. For decorative design purposes, plastic chips can be sprinkled in the resin layer which is still wet. Optionally, a sealing can be made using the WIDOCRYL PM sealant.

Sealing of the wear layer with tile look.

First of all, the WIDOCRYL-Topsiegel SV is applied - in the colour of the joints - to the entire surface of the hardened wear layer of WIDOCRYL-SV. After hardening, the joint net is glued with the contour tape. Size and joint pattern of the "tiles" can be designed individually; the joint width can be varied as well as - a width of 3, 6 or 9 mm is possible.

Subsequently, the WIDOCRYL-Topsiegel SV is applied in the actual surface colour.

Designing the wear layer with granite granulate

When using granite granulate, grain size: 0.5 - 1.0 mm; grain size for tile look: 0.2 - 0.6 mm, as decorative coating, the granite granulate is sprinkled in a layer of WIDOCRYL-Topsiegel SV. In this case, the Topsiegel should have a colour similar to the granite granulate.

Subsequently, the surfaces with mineral sprinkles have to be sealed with WIDOCRYL PM sealant.

Renovation of
balconies on just
one day!



WIDOCRYL-SV



Waterproofing
and coating
for balconies, terraces,
loggias and arcades

Liquid plastics for renovation and new construction

Joint sealing	Widopan Produkte GmbH
Flat roof	Ostereichen 3
Balcony	21714 Hammah
Terrace	Phone +49 4144 69821-0
Arcade	Fax +49 4144 69821-20
Park deck	kontakt@widopan.de
Detailed connections	www.widopan.de



WIDOCRYL-SV

Applications

Liquid plastic for waterproofing and coating on balconies, terraces and arcades.

The waterproofing system with polyester grid fleece ETA according to ETAG 005 and without ETA with scrim consists of the sealing WIDOCRYL-Detail, the self-levelling mortar WIDOCRYL-SV and the WIDOCRYL-Topsiegel SV.

As seal, a reinforcement is inserted in the surface. Connections and details are made with the polyester grid fleece G 165.

Low layer thickness and self-levelling

Structures with a low layer thickness are feasible with the system WIDOCRYL-SV. Thus, it is possible to produce a waterproofing with decorative surface using a sealing of WIDOCRYL-Detail and the self-levelling mortar WIDOCRYL-SV with subsequent sealing - and this with a layer thickness of 4 – 6 mm. The design type withstands the loads usual for balconies and can be produced in many attractive colours and decors.



It is also possible to produce a tile look with the WIDOCRYL-Topsiegel SV

In order to achieve the tile look, the Topsiegel is applied - in the joint colour - to the entire surface first. Then, the joint net is affixed with adhesive tapes and, finally, the Topsiegel is applied in the actual floor colour. After the hardening of the Topsiegel, the adhesive tapes are removed.

The format of the "tiles" can be specified individually. The joint width is variable as well - adhesive tapes with a width of 3, 6 and 9 mm are supplied. The design type withstands the loads usual for balconies and can be produced in many attractive colours and decors.

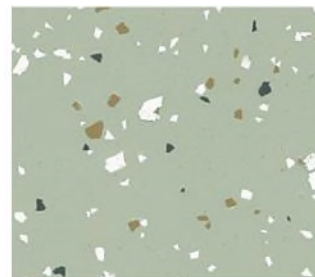
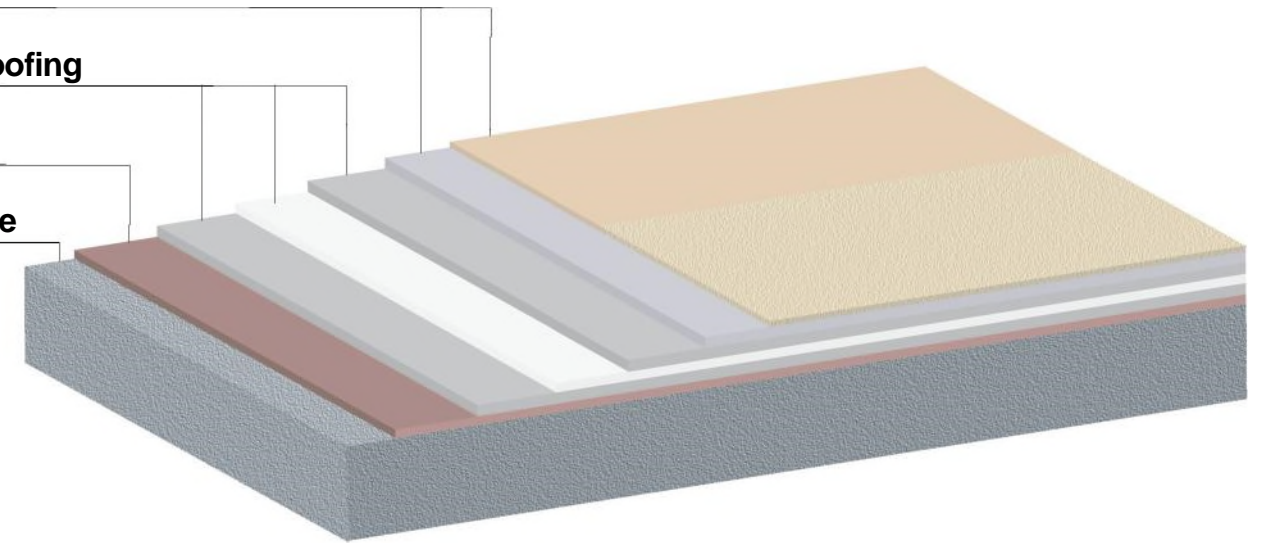


Wear layer

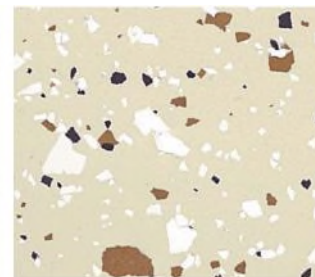
Waterproofing

Primer

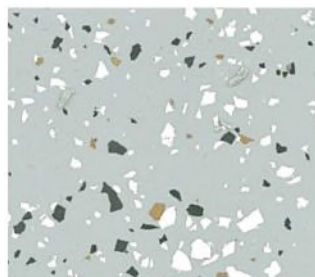
Substrate



Light grey



Light ivory



Window grey

WIDOCRYL-Topsiegel SV

is produced in several standard colours. Special colours are available according to the RAL card.

The colour patterns are not binding with regard to colour and gloss. The original colours may differ from the shown examples.



Product properties

The WIDOCRYL-SV system is reinforced with a polyester grid fleece (ETA according to ETAG 005) or with a scrim (without ETA). Due to the temperature-dependent addition of hardening agent, the material can still be processed at low temperatures down to -5 °C. WIDOCRYL-SV is UV- and weather-resistant.

Short idle time

Due to the quick hardening of the material, all layers have to be made directly in succession. This reduces both the use restriction and the annoyance due to noise and dirt. A renovation on just one day is possible.

Rainproof

The material is rainproof after approx. 15 minutes only.

Mechanically resistant

WIDOCRYL-SV is installed with a layer thickness of 4 – 6 mm - depending on the design type. It withstands the uses common for balconies and is also suitable for the pedestrian traffic on arcades.

Smooth surfaces

The self-levelling mortar provides an optically perfect surface and levels out smaller unevenness in the substrate.

Easy to clean

The surfaces can be cleaned using common household methods.