



Product Description

Type of product	Water-repellent transparent varnish for mineral surfaces
Intended use	Matt transparent varnish ideal to protect extremely or irregularly absorbing mineral surfaces like for example exposed concrete, washed concrete, natural stone, sandstone etc. In addition, Lucite® 808 Imlar protects surfaces against the effects of weather, aggressive gases and soiling.
Product properties	<ul style="list-style-type: none"> • transparent • hydrophobic • vapour-permeable • dirt-repellent • UV-resistant and non yellowing
Colours	transparent
Field of application	exterior

Technical Data

Binder	pure acrylate						
Degree of gloss	matt						
Viscosity	Depending on the absorption capacity and type of surface dilute the product with clean cold water.						
Drying time with 20°C and 60% relative humidity	<table border="1"> <tr> <td>dust dry after</td> <td>overpaintable after</td> <td>completely dry after</td> </tr> <tr> <td>30 - 60 minutes</td> <td>1 - 2 hours</td> <td>3 - 7 days</td> </tr> </table>	dust dry after	overpaintable after	completely dry after	30 - 60 minutes	1 - 2 hours	3 - 7 days
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	<p>Indications: Drying times depend on the absorption capacity of the surface and the environmental parameters. Observe sufficient drying times between the single coats. Due to barrier effect of the product against carbon dioxide the curing (carbonation) of mineral surfaces like fresh surfaces containing lime or lime plasters can be delayed or even completely impeded. Low temperatures and/or poor air circulation may have a negative effect on the drying process.</p>						

Consumption	brush / roller
	120 - 160 ml/m²
	Consumption depends very much on the type of application and the absorption capacity of the surface.
Density	1,05 g/cm ³
Storage	Store tightly closed containers in a dry, cool and frost-free place. Use the product as soon as possible after the first opening.

Application Data

Type of application	brush, roller
Dilution	up to 50% of water (cold and clean)
Application temperature	minimum +8°C (air and surface)
Application recommendation	<p>Do not additionally moisten surfaces because salts could be washed out, migrate to the surface and crystallise.</p> <p>Before starting the application process, mineral surfaces are subject to a curing time of at least 28 days.</p> <p>When surfaces are very porous, first of all apply a coat of the product diluted in the proportion 1:1 (adding 50% of water).</p> <p>Remnants of the product which are not absorbed after the complete saturation of the surface have to be removed as otherwise varnish runs or white discoloration may appear on the surface.</p> <p><u>Recommended dilution:</u></p> <p>Exposed concrete: 20% of clean cold water Washed concrete: 20% of clean cold water Porous natural stone: 20% of clean cold water Non porous natural stone: 20% of clean cold water Very porous natural stone: 20% of clean cold water (to the first coat add 50%) Brick: 20% of clean cold water Porous brick: 20% of clean cold water (to the first coat add 50%)</p> <p>Using LUCITE® 808 Imlar as a transparent concrete varnish the product can be coloured by adding up to 10% of the product LUCITE® House-Paint. Please note that after having added LUCITE® House-Paint the mixed material will contain a small amount of solvent.</p> <p><u>Application restrictions:</u> The product is not suitable for applications on coloured brick surfaces with white discoloration (see BFS leaflet number 13: Coating of brick masonry).</p>
Cleaning of equipment	Clean all equipment with water immediately after use, if necessary add a wetting agent. Pay particular care and attention when cleaning spray equipment. Due to the short drying time it is necessary to clean tools during the application process especially in case of work breaks.

General Indications

Mixing similar products is only possible to a limited extent. In general, avoid mixing products.

Protect containers from humidity, frost, direct insulation and high temperatures. Opened containers should be tightly closed after use.

When coating surfaces that form a unit optically, ensure that all the material used is from the same batch.

Due to the pigments, intensive colours often have a lower covering capacity. In this case we recommend to apply our complementary covering priming coat Cover up.

Isolate surfaces where water-soluble substances (such as water stains, nicotine or other substances) may occur first of all applying the appropriate priming coat.

Depending on the quality class of the dispersion abrasions may occur when surfaces are subject to mechanical wear.

If the coating film comes into contact with products containing plasticisers (door and window seals etc.) it is necessary to request a certificate of compliance from the sealing profile manufacturer or to carry out a test coating.

Depending on construction elements and type of application structures may be visible in case surfaces are exposed to unfavourable light conditions.

Do not apply the product on horizontal surfaces with persistent exposure to water.

Dispersion paints/varnishes which are exclusively permitted for use in the exterior can contain biocidal film preservatives which serve to protect the surfaces. Always read the labelling and product information before use. Do not apply biocide containing products on surfaces in direct contact with food or fodder. Misuse can lead to health and environmental damage.

It is recommended to use rainwater collected from roof and façade surfaces for the irrigation of flowers and plants only after 12 months of the application of the product.

Using our products please always observe the common standards and guidelines of the trade (see VOB DIN18363, part C, as well as the respective BFS leaflets of the Bundesausschuss Farbe und Sachwertschutz e. V. (Federal Committee of Colour and Property Protection) and the contents of training materials etc.).

In view of the great variety of working conditions and materials used, we cannot cover every individual case in our descriptions. In case of questions regarding facts or situations and their technical treatment, which are not stated in the present Technical Data Sheet, please consult our technical field service or our application technology department.

In case of uncertainties regarding the use of our products and their compatibility with other products please contact our technical service before starting the application process:

Service hotline: +49 2330 63 243

E-Mail address: infoanwendungstechnik@doerken.de

Information for allergic persons: +49 2330 63 184

Unproperly used products are no reason for complaints.

The above detailed information about the product has been prepared according to the latest technological developments and application techniques. Our products are described and information is provided as to their application and processing. Advice and recommendations regarding the suitability of the products for a particular application in writing or by phone do not establish any legal relationship and are not the cause for any secondary obligation resulting from the purchase contract. In addition, they do not release the purchaser / processor from his responsibility to examine whether our products are suitable for their intended use.

With the publication of this Technical Data Sheet the information given in earlier issues is no longer valid.

You can find further information on our web-page www.doerkencoatings.de. All valid product related Technical Data Sheets and Safety Data Sheets can be found there.

To the rest, our general terms and conditions apply.