

# Technical data sheet

## Diessner DiescoCryl

Pure acrylate - facade paint



### Pure acrylate paint for facades and interior coatings

- Weather-resistant
- Water-repellent
- Wet abrasion resistance class 2
- Vapour-permeable
- High covering capacity
- Minimal emissions
- Free from solvents and softeners
- Free from fogging-active substances
- Elastic
- Easy application
- Non-yellowing
- Alkali-resistant, unsaponifiable

### Intended use

Pure acrylate paint for weather-resistant façade coatings and durable interior coatings. Diessner DiescoCryl can be easily applied and structure-preserving painting. Suitable outside surfaces include plaster according to DIN EN 998-1 (as of CS II / 1.5 N/mm<sup>2</sup> minimum compression strength), concrete, limestone, load-bearing synthetic resin-bound façade paints and textured plaster. Additional suitable interior surfaces include gypsum plaster, drywall, decorative glass fabric, textured wallpaper, etc.

### Technical data

**Binding agent base** pure acrylate. Synthetic dispersion in accordance with DIN 55947

**Pigment base** Titanium dioxide

### Classification according to DIN EN 13300

Degree of gloss Dull-matt, 1.9 units at 85°  
 Wet abrasion resistance class 2, abrasion-resistance according to DIN 53778  
 Contrast behaviour Covering capacity class 2 at 7 m<sup>2</sup> yield per litre.  
 Maximum grain size Fine (<100 µm)

### Classification according to DIN EN 1062

Vapour permeability class V<sub>1</sub> high, complies with a sd value of ≤ 0.04 m  
 Water permeability (W value) class W<sub>1</sub> high, complies with a W value of > 0.5 kg/m<sup>2</sup> x h<sup>0.5</sup>

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<b>Density</b>	approx. 1.5 g/ml
<b>Colour</b>	White
<b>Gradation</b>	Using Diessner MIX on request or using conventional full-tone and gradation colours on dispersion basis. Before use, the supplied shades are to be checked for colour accuracy. Observe BFS data sheet no. 25. By gradation, the specified characteristics may be changed. For intensive colours with lower covering capacity due to their pigments, an undercoat with Diessner MIX Color Base outside is to be applied to achieve the desired colour.
<b>Colour stability according to BFS data sheet no. 26</b>	
Factory gradations:	Class B / groups 1 and 2
Diessner MIX:	Class B / groups 1 and 2
<b>Container size</b>	5,0 L / 12,5 L / ,120 L und 40 Kg
<b>Storage</b>	Cool, however protected from frost. Open containers are to be tightly closed and used up as soon as possible. 24 months stable if not opened.
<b>Usage</b>	Depending on the absorbing capacity of the surface, approx. <del>130-160</del> 130-200 ml/m <sup>2</sup> per painting on smooth surfaces and respectively more on textured surfaces. Potential object-related deviations are to be determined by sample painting.
<b>GISCODE</b>	BSW 20
<b>VOC content</b>	Class c, type wb, VOC limit value as of 2010 = 40 g/l, max. VOC value <1 g/l
<b>Hazard designation</b>	n/a
<b>Declaration of ingredients</b>	Pure acrylate, titanium dioxide, calcium carbonate, magnesium carbonate, aluminium silicate, talc, water, additive, preservatives. For consultation on allergies to isothiazolinone, please call +49 (0)30 60 00 02 49.
<b>Special instructions</b>	<p><b>P102</b> Keep out of the reach of children.</p> <p><b>P260</b> Do not inhale vapours/aerosols.</p> <p><b>P262</b> Avoid contact with skin.</p> <p><b>P305</b> In case of contact with eyes,</p> <p><b>P313</b> rinse immediately with</p> <p><b>P351</b> plenty of water and</p> <p><b>P338</b> seek medical advice.</p> <p><b>P301</b> If swallowed, seek medical advice immediately and</p>

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**P315** show this container or label.

In case of application by spraying, do not inhale the paint mist and wear suitable respiratory protection for paint spraying. Before use, always read and observe the label and product information. Do not use in interior areas. Do not discharge into drains, water courses or ground soil. All surfaces not to be painted have to be covered thoroughly. Wash off any paint splatters with water before it dries on any surfaces. For additional instructions, refer to the EC safety data sheet.

### Disposal

Only recycle completely emptied containers. Dispose of liquid material residues at an authorised collection point for old paints/varnishes. Dried material residues may be disposed of as cured paint or household waste. AVV waste regulation - Waste code no. 080112.

### Application guidelines

#### Coating structure

Stir well before application. Depending on the surface, dilute the pre-coating with 5-10% of water and apply the final coating without dilution. Apply and distribute the paint evenly wet-on wet.

#### Application process

Can be applied with a brush, paintbrush and roller. Material application with airless equipment is possible: For airless application, stir the paint well before use, and dilute and screen it if necessary. After spray application, evenly distribute the material with a paint roller on the surface. Please also note the special instructions.

#### Airless application

Nozzle: 0.021" - 0.026"  
Spray pressure: 150 - 180 bar  
Spray angle: 50°

#### Application temperature bottom limit

+ 5°C surface and ambient temperature. The substrate temperature must be at least +3°C above the dew temperature.

#### Drying time

Surface-dry after approx. 6 hours at +23 °C and 50% relative humidity and can be painted over after 8 hours. At lower temperatures and/or higher humidity, the drying time is considerably increased. During drying, the coating has to be protected from humidity.

#### Cleaning of tools airless equipment

Clean tools/ equipment with water immediately after use.

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### Please note

The material is only to be diluted with the specified amount of clear water. Please note the section on coating structure. Please observe construction tendering and contract regulations (VOB), part C DIN 18363, section 3 for paint application. Not suitable for horizontal surfaces exposed to water. Do not apply the material in case of direct sunlight, strong wind, risk of rain, fog and/or dew humidity at a relative humidity over 85% or below ambient, material and surface temperatures of +5 °C. The temperature (min. +5 °C) and relative humidity (max. 85%) limits are also to be observed during the drying phase. Protect from humidity during the application and drying phase. Do not apply at temperatures above +30 °C.

Not suitable for surfaces with old plasto-elastic and varnish-type coatings. Not suitable for surfaces exposed to salt, neither for plastic or wood. Do not mix with other paints. Thoroughly cover surrounding surfaces before starting to work.

Apply the material evenly. To prevent uneven application on larger surfaces, prompt wet-on-wet application is to be ensured.

If surfaces have to be corrected, the surface quality is always affected (refer to BFS data sheet no. 25).

Exposure to humidity during the application and drying phase may lead to damage in form of chipping, blisters, premature chalking or erosion.

Major exposure to humidity (dew, fog, rain and particularly driving rain) during the drying phase may lead to washing out of water-soluble auxiliary substances. In unfavourable cases, these may become visible as sticky, slightly glossy undesired traces (auxiliary substance smears). For this reason, the paint has to be protected from humidity during the drying phase. Any undesired traces from auxiliary materials have no impact on the product resistance and are over time completely removed by exposure to weather.

In case of paint gradation, mechanical stress on the surface may lead to changes in colour (texture or filler/pigment break). This effect does not impair weather resistance.

Do not mix with other paints.

For outside surfaces subject to algae and/or fungus formation, we recommend a Diessner product with fungicidal/algicidal film protection.

### Surface preparation

Surfaces have to be stable, solid, dry and free from dirt, blisters, stains, soot, fungus, layers of sinter, powder, mortar splashes etc. and separating substances. Any present old layers of coating have to be checked for suitability as well as adhesion and bearing capability. Construction tendering and contract regulations (VOB) DIN 18363 section 3, applicable BFS data sheets as well as Diessner technical data sheet 005 for surface preparation are to be observed.

### Notes on gypsum-based putty

Under unfavourable drying conditions, gypsum-based putties that are level with the substrate at "zero" can swell, form bubbles and flake off due to the moisture in the paint coating and lead to adhesion problems later on. For this reason

, the suitability of the various materials must be checked in advance and data sheet No. 2, Filling gypsum boards of the Federal Association for the Gypsum and Plasterboard Industry, must be observed. In individual cases, subsequent reinforcement with a non-pigmented, transparent primer (Diessner Hydrosol Tiefgrund (Penetrating Primer)) should be tested on a sample surface. In case of doubt, the gypsum-containing filler layer must be removed or, if the substrate requires levelling work, dispersion-bonded fillers (Diessner Akkordspachtel

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(Putty), Diessner Akkord Füllspachtel (Filler)) should be used and pre-treated with a primer coat of Diessner Tiefgrund (Penetrating Primer).

Filling surfaces containing gypsum which have been produced in a load-bearing thickness must be levelled with a pre-coating of Diessner Hydrosol Tiefgrund (Penetrating Primer).

Note on concrete substrates

DiescoCryl is not a concrete protective coating; we recommend using the products Diessner Hausfarbe, Diessner Elastik E or Diessner Wetterhaut W here.

### Notice

*These specifications in this technical information have been compiled to the best of our knowledge and comply with the state of the art of our application systems. However, this documentation is only to be regarded as non-binding consultation, as suitable application processes depend on the individual condition of the object to be painted and may only be decided at the object itself. Specific cases on site have to be taken into account. No legal obligations may be derived from these specifications.*

*Due to varying surface materials and working conditions beyond our scope of influence, we recommend in any case sufficient testing to ensure suitability of our products for the intended processes and application purposes. With publication of this technical data sheet, all previous versions shall become invalid.*