

Technical Data Sheet

HECK UniCryl

(Universelle Acryl-Fassadenfarbe, universal acrylic paint for façade surfaces)

HECK UniCryl: HECK UniCryl is a silicone-based, universally applicable acrylic paint for façade surfaces with a mineral surface character.

Colour Shades: White or according to HECK Color Sensation Farbtonblock (colour tone scale)

Properties:

- Easy to process and apply
- Large range of colour shades
- Silicone-based
- High water vapour diffusion
- Water-repellent
- Slightly filling
- Additional protection of the coating against algae and fungal attacks.

Areas of Application:

- Outdoor use
- Thermal insulation compound systems (WDVS)
- Particularly well-suited for renovation work
- On new and old mineral and organic substrates

Not suitable for horizontal or inclined surfaces exposed to weather. The user is liable for any other use exceeding these areas of application.

Composition: Acrylic polymer dispersion, siloxane emulsion, mineral fillers, additives, white and coloured pigments

Technical Data:

Density / specific weight	approx. 1.64 g/cm ³
sd value according to DIN EN 1062:	< 0.10 m / V1 high
w value according to DIN EN 1062:	approx. 0.05 kg/(m ² h ^{0.5}) / W3 low
VOC content: EU limit value for the product cat. A/c: 40 g/l (2010)	max.: 40 g/l
Gloss	G3 matt
Grain size	S ₁ < 100 µm (fine)
Dry layer thickness	E _{3,100} - 200 µm
Colour fastness according to BFS-Merkblatt (BFS Leaflet) No. 26	B 1-3

Consumption: Per coating: approx. 180 - 200 ml/m² (for levelling paint)
The consumption information provided refers to average values determined from practice. Depending on the layer thickness and substrate, higher or lower consumption is possible.

Application and Substrate Temperature: At least + 5 °C
During application and until full through drying has been reached, the newly applied coating must be protected against excessively fast dehydration, cold and rain.

Drying Time: Re-coatable after approx. 4 - 6 hours. Fully dry after approx. 3 days.
20° C / 65 % Relative Humidity In cool weather conditions or in the event of permanent or recurring high relative humidity (above 90 %), longer drying times must be taken into consideration and the surfaces must be protected against rain if necessary.

Substrate: The substrate, whether it is old or new, must generally be solid, clean, dry, free of grease, wax, silicone and dust, as well as free of any salt scum (please refer to VOB [German construction contract procedures], Part C, DIN 18363). In addition, the information on the assessment of the surface and inspection in the applicable technical data sheets / regulations must be observed.

New plasters: Check the neutralisation of the plaster with an indicator (phenolphthalein solution). Comply with pH value = 8.5. If necessary, neutralise the plaster by applying a fluosilicate solution.

Substrate:	Old plasters: Thoroughly clean the surfaces wet or dry. The substrate pre-treatment required (cleaning and applying a primer) must be attuned to the surface condition. When using hot-water high-pressure cleaners, the water temperature should be below 40°C, especially for thermal insulation compound system (WDVS) substrates.
Substrate:	In the event of algae and fungal attacks, special basic cleaning as well as after-treatment with Rajasil FUNGIZID must be carried out. Any loose parts of the paint as well as old coats that are not able to take a load must generally be removed and cleaned. If necessary, a primer must be applied.
Application:	Each coating may be applied using brush, roller or airless spraying application. Only one application method should be applied at a time, since using several methods – e.g. brush and roller application on a single surface – may result in different colour shades. Priming: Priming is carried out using Rajasil NIG (Rajasil Nano Impragnierung und Grundierung, Rajasil nano waterproofing and primer) or Rajasil TG W (Tiefengrund W, deep-penetrating primer W). For highly absorbing substrates and on wall bases, it is recommended to apply two prime coats "wet-in-wet" prior to actual coating. First Coating: Apply HECK UniCryl diluted with a maximum of approx. 5 % of water. Final Coating: Apply 1-2 coatings of undiluted HECK UniCryl. For intense / brilliant colour shades, it might be necessary to apply an additional coating.
Cleaning of Tools:	Immediately after use, with water
Notes:	Application method and application conditions, such as the absorbency of the substrate, weather conditions or environmental reflections may result in colour shades deviating from the colour tone scale or the sample provided. It is recommended to make sample surfaces, since complaints can no longer be accepted after the paint has been applied. Follow-up orders may result in deviations from the colour shade. Therefore, follow-up orders must be avoided in advance where possible. When placing a follow-up order, however, please make sure to provide: the date of your initial order, the batch number, as well as the shipping note/invoice number. In order to avoid deviations from the colour shade, the material of the follow-up order should not be applied together with the material of the initial order on a continuous surface. Variations in colour shade and surface texture over the course of time due to weather and environmental factors, e.g. exposure to UV radiation and environmental influences such as atmospheric particles, are not covered by warranty. The light fastness of organic-pigmented colour shades corresponds to the state of the art and is limited. The BFS-Merkblatt (BFS Leaflet) No. 26 "Farbveranderungen von Beschichtungen im Auenbereich" (Colour changes of coatings in outdoor areas) must be observed. If the surfaces are exposed to moisture at an early stage, water-soluble components can be dissolved out of the coating material and result in glossy marks on the surface. These components are usually washed off from the faade by further effects of moisture. In general, the functionality of the coating remains unaffected. Under adverse conditions, the formation of micro-organisms, e.g. algae, cannot be ruled out and does not constitute a reason for complaint.
Safety Instructions:	Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off immediately with soap and water. If product gets in eyes, thoroughly rinse with plenty of water for at least 15 minutes and seek medical advice. If product is swallowed, seek medical advice immediately. Wear suitable protective gloves. Keep product out of the reach of children. For further information, see valid Safety Data Sheet.
Storage:	Keep opened containers tightly closed and store them in a cool place that is free from frost. Storage time in original containers: approx. 12 months.
Quality Control:	Constant monitoring of production through laboratory analyses.
GISCODE:	M-DF02
Package Size:	3.0 l and 12.5 l



The information given herein is based on our present knowledge and experience. However, it implies no liability on our part. We reserve the right to make changes according to technological progress or further developments. This information serves to describe the properties of our products and services, and no warranty is intended or implied. The customer is not released from the obligation to conduct careful inspection of the functions and applications of incoming goods by qualified personnel. This is also valid with regard to existing third party intellectual property rights. Reference to trade names used by other companies is neither a recommendation nor does it imply that other similar products could not be used. With this publication, earlier Technical Data Sheets become invalid

HECK Wall Systems GmbH
Tholauer Strae 25
95615 Marktredwitz / Germany
T: +49 9231 802-0
F: +49 9231 802-330
www.wall-systems.com