



Technical Data Sheet HECK REFLECTA (with TSR technology)

HECK REFLECTA: HECK REFLECTA is a pure-acrylate silicone resin façade paint with TSR technology (TSR = Total Solar Reflectance), excellent resistance to light and additional protection against algae and fungal attacks.

- Properties:**
- Easy to process and apply
 - Structure-preserving
 - Large range of colour shades
 - High colour shade stability
 - High water vapour and carbon dioxide diffusion
 - Extremely water-repellent
 - Particularly suitable for dark colours
 - Additional protection of the coating against algae and fungal attacks.

Areas of Application: For outdoor areas and especially for use on HECK thermal insulation compound systems.
Not suitable for horizontal or inclined surfaces exposed to weather. The user is liable for any other use exceeding these areas of application.

Composition: Silicone resin emulsion, polymer dispersion, mineral fillers, additives, white and coloured pigments

Technical Data:

Density:	Approx. 1.35
s _d value:	< 0.1 m / V1 high
w value:	approx. 0.02 kg/(m ² h ^{0.5}) / W3 low
Grain size:	S1 < 100 µm
Gloss:	G3 matt
Colour fastness according to BFS-Merkblatt (BFS Leaflet) No. 26;	A 1-3

Colour Shades: Colour shades: according to the Color Sensation Farbtonblock (colour tone scale), colour shades with TSR technology only on request. In HECK thermal insulation compound systems, colour shades are also possible with a lightness reference value < 10. If a lightness reference value of 20 is fallen short of, the TSR value must be used. If the TSR value is ≥ 25, the coating is to be classified as thermally safe.

Consumption:

Type of application	Approx. consumption
Per coating	180 – 200 ml/m ² (as levelling paint)
In case of 2 coatings	300 – 400 ml/m ² (as functional coating and TSR technology)

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 and relative humidity < 80 %.
During application and until full through drying has been reached, the newly applied coating must be protected against excessively fast dehydration, frost and rain.

Drying Time:

20° C / 65% relative humidity
Re-coatable after 24 hours. Fully dry after approx. 3 days.
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:	<p>The substrate must 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 substrate and inspection in the applicable technical data sheets / regulations must be observed.</p> <p>Make sure that the surface is evenly dry.</p> <p><u>New plasters:</u> 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.</p>
Application:	<p>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. Depending on the colour shade intensity and type of the substrate, several coatings (2-3) may be necessary.</p> <p><u>Priming:</u> Priming is carried out using Rajasil NIG (Nano Impragnierung und Grundierung, 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.</p> <p><u>First Coating:</u> Apply HECK REFLECTA diluted with a maximum of approx. 10 % of water.</p> <p><u>Final Coating:</u> Apply HECK REFLECTA undiluted or diluted with a maximum of 5 % water.</p> <p><u>TSR technology:</u> Apply at least two layers (2 coatings) of HECK REFLECTA.</p>
Cleaning of Tools:	Immediately after use, with water
Notes:	<p>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.</p> <p>Follow-up orders may result in deviations from the colour shade. Therefore, avoid follow-up orders. 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 and homogeneously mix material of the follow-up order with any residual quantities. For connected surface areas, use only materials of the same production batch.</p> <p>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 respectively current national regulations and leaflets, such as BFS MB No. 26, apply.</p> <p>Under adverse conditions, the formation of micro-organisms, e.g. algae, cannot be ruled out and does not constitute a reason for complaint.</p>
Safety Instructions:	<p>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.</p> <p>Keep product out of the reach of children.</p> <p>For further information, see valid Safety Data Sheet.</p>
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.
VOC content:	EU limit value for the product (cat. A/c: 40 g/l (2010)). This product contains a maximum of: 40 g/l.
GISCODE:	M-DF02
Package Size:	3.0 l and 12.5 l



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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