



## Technical Data Sheet

# HECK SHP

(Silicon Resin Render)

### HECK SHP:

Silicone-saturated, org. finishing plaster acc. to DIN 15824

HECK SHP (Siliconharzputz, silicone resin render) comes in buckets and is available as scraped-finish render texture (Kratzputzcharakter, KC) or grater render (Reibputz, R):

HECK SHP KC1,0	max. grain size approx. 1.0 mm
HECK SHP KC1,5	max. grain size approx. 1.5 mm
HECK SHP KC2	max. grain size approx. 2.0 mm
HECK SHP KC3	max. grain size approx. 3.0 mm
HECK SHP R2	max. grain size approx. 2.0 mm
HECK SHP R3	max. grain size approx. 3.0 mm

### Properties:

- easy to apply
- water vapor and carbon dioxide permeable
- highly water-repellent
- fungicidal and algaecidal properties
- colors: white, or according to the Color Sensation color fan deck; for other colors please ask

### Areas of Application:

For exterior use; suitable for wall base application and use on HECK insulation systems EPS / MW / L-MW.

The responsibility for any usage outside these areas of application lies solely with the user.

### Composition:

Polymer dispersion, pigments, carbonatic grains, silicone-saturated

### Technical Data:

Water vapour permeability (EN ISO 7783-2)	0.07 to 0.23 m V1 high / V2 medium
Water absorption (EN 1062-9)	≤ 0.1
Reaction to fire when used in HECK MW insulation system:	A2-s1, d0
Reaction to fire when used on mineral substrates in a layer thickness up to 4mm	B-s2, d0

### Coverage:

Product:	Coverage:
HECK SHP KC1,0	1.8 – 2.0 kg/m <sup>2</sup>
HECK SHP KC1,5	2.0 – 2.4 kg/m <sup>2</sup>
HECK SHP KC2,0	2.8 – 3.2 kg/m <sup>2</sup>
HECK SHP KC3,0	3.8 – 4.2 kg/m <sup>2</sup>
HECK SHP R2	2.6 – 2.8 kg/m <sup>2</sup>
HECK SHP R3	3.2 – 3.4 kg/m <sup>2</sup>

These are averaged values based on practical experience. Depending on layer thickness and substrate, coverage may differ slightly.

### Application and Substrate Temperature:

+ 5 °C minimum, relative humidity < 90 %; lower temperatures during the several-day curing phase can have a sustained negative effect on product properties.

### Substrate/Preparation of the Substrate:

Mineral plasters CS II-IV according to DIN EN 998-1 (P II-III according to former DIN V 18 550), cement-free surfacers, concrete, fibre cement, plaster base boards, exterior wall boards, solid coatings. We recommend undercoats made by HECK Wall Systems GmbH, as their technical specifications have been specially designed towards usage with HECK SHP.

Always cover work area thoroughly before starting.

The substrate must be free of cracks, level, clean, free of dust and grease, solid, and dry (look for any condensation). Do not rub down undercoats with felt board, just trowel them up; remove mortar ridges.

Prime with HECK UG; leave for a day before applying the render.

All undercoats must be cured and dry (curing time according to latest Technical Data Sheet). Prime wall bases, highly absorbent substrates, and certain other substrates (fiber cement, concrete) once with Rajasil TG W.

With sufficiently carbonatised and low-absorbent substrates, such as HECK K+A ZF, priming can be skipped.

<b>Application:</b>	<p>Add water to achieve the required application consistency if necessary. Apply at grain size with stainless-steel trowel and distribute with plastic or stainless-steel trowel to achieve a scraped-finish structure. For the float finish variant, use a plastic trowel.</p> <p>Product can be applied by machine. Work wet-in-wet in order to avoid visible joints. With larger surfaces, place a man on each scaffold.</p> <p><b>Producing a felt structure with a sponge board using HECK SHP (silicon resin render) KC1</b> for façade surfaces and developing edging: Stir HECK SHP (silicon resin render) KC1 well and, if necessary, add water to adjust the render to the corresponding processing consistency. Then apply it evenly using a stainless steel trowel according to the grain size. After the render has matured sufficiently (approx. 15 min.), the surface can be felted down using a damp sponge board. To achieve even surfaces, the substrate must be level.</p> <p>During cooler weather conditions or permanent or recurring high relative humidity (above 95 %), the render cannot set. Exposure to moisture can also re-liquefy partially cured render.</p>
<b>After Treatment:</b>	Protect freshly-applied render from premature dehydration (sun, wind, high temperatures), frost and rain until it has cured completely.
<b>Surface Coating:</b>	Water-repellent coating systems with water vapour diffusion properties, such as Rajasil SHF (silicone resin coat), HECK UniCryl are suitable. Use HECK REFLECTA for intensive or darker colour shades (lightness reference value < 20)
<b>Cleaning of Tools:</b>	Immediately after use, with water.
<b>Notes:</b>	<p>Application method and application conditions, such as substrate absorbency, weather conditions or environmental reflections, can result in color divergences from the color fan deck or from the submitted sample. We recommend paint color tests at the application site as we will not be able to accept complaints after the product has been applied.</p> <p>Due to the usage of mineral raw materials, follow-up deliveries may vary in color. For continuous surfaces use only material from the same production batch, especially when no surface coating is performed. If possible, avoid follow-up deliveries. When placing a follow-up order, please make sure to provide: the date of your initial order, the batch number, as well as the shipping note/invoice number. Always mix newly supplied material and possible leftovers thoroughly.</p> <p>Variations in color over the course of time due to weather factors, e.g. UV impact, and environmental factors, e.g. atmospheric particles, are not covered by warranty. Technical functionality remains unaffected.</p> <p>Under adverse conditions, the possibility of the formation of micro-organisms, such as algae, cannot be ruled out; this does not constitute a reason for complaint.</p> <p>HECK SHP comes fully-equipped with fungicidal and algacidal properties.</p>
<b>Safety Instructions:</b>	<p>Avoid contact with eyes and skin. Protect eyes and skin. If product gets on skin, wash off with water and soap immediately. If product gets in eyes, flush with large amounts of water for at least 15 minutes and seek medical attention. If product is swallowed, seek medical attention.</p> <p>Wear suitable protective gloves.</p> <p>Keep product out of the reach of children.</p>
<b>Storage:</b>	Store in a cool place that is free from frost. After opening, keep container tightly closed. Can be stored in original container for approx. 12 months.
<b>Quality Control:</b>	Constant monitoring of production through laboratory analyses.



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**  
**Thöläuer Straße 25**  
**95615 Marktreidwitz / Germany**  
**T: +49 9231 802-330**  
**F: +49 9231 802-330**  
**www.wall-systems.com**