

PRODUCT SPECIFICATION HERTALAN® KS 96

DESCRIPTION HERTALAN® KS 96 is a specially developed one-component adhesive / sealant based on MS polymer. HERTALAN® KS 96 can be applied to adhere HERTALAN® EPDM roofing and cladding systems on vertical and horizontal surfaces and to seal the adhered overlap in HERTALAN® EPDM roof systems.

TECHNICAL DATES

Type of product	: Adhesive and sealant based on MS-polymer.
Appearance	: Black.
Smell	: Odorless.
Shrinkage	: None.
Curing (in 24 hours)	: 1-2 mm.
Maximum elasticity	: 250%+
Packaging	: 290 ml cartridge, 600 ml alu-sausage
Shelf life and storage	: 18 months, provided that the adhesive is kept in the original unopened package, in a dry and cool (+5 °C to +25 °C) storage.

PROPERTIES HERTALAN® KS 96 creates a strong bond between two layers of HERTALAN® EPDM rolls or sheets or when adhering HERTALAN® EPDM membranes to a suitable substrate. The adhesive bond is elastic and waterproof. HERTALAN® KS 96 should be applied on one side. When it has completely dried the adhesive bond is resistant to temperatures from -40 °C up to +80 °C.

DIRECTIONS FOR USE HERTALAN® KS 96 is ready-for-use and must not be thinned or mixed with other products. Application only in dry weather conditions and at ambient-, substrate- and material temperatures of min. +5 °C to max. +35 °C. The materials and the substrate which are to be glued must also be dry and clean.

ADHERED OVERLAPS Overlap with roof systems
The width of the overlap must be at least 100 mm. Open the overlap with a width of 150 mm. Apply HERTALAN® KS 137 to both contact areas over a minimum width of 80 mm leaving a 20 mm clear strip at the exposed edge, the HERTALAN® KS 137 must be generously applied on two sides with a stiff brush using a circular motion or with a fleece roller. Usage of the contact-adhesive HERTALAN® KS 137 is approx. 50 g/m. Allow the HERTALAN® KS 137 to dry until the adhesive is touch dry. Carefully close the seam, avoiding wrinkles, air bubbles, creases and tension in the materials. Thoroughly roll across the joint using a silicone roller.

To the remaining 20 mm. apply HERTALAN® KS 96 up to the HERTALAN® KS 137 and between the membranes. After applying the HERTALAN® KS 96, roll along the length of the seam, to give a final thickness of at least 1 mm. Finish the seam properly by removing the redundant HERTALAN® KS 96.

Alternative overlap, only allowed with fully adhered roof systems

The width of the overlap must be at least 50 mm. Apply the HERTALAN® KS 96 on one side with two beads with a minimum diameter of Ø 7 mm, do not spread the HERTALAN® KS 96. Close the seam directly after applying several meters of HERTALAN® KS 96, avoid wrinkles, air bubbles, creases and tension in the materials. Thoroughly roll across the joint using a silicone roller, creating a seam of at least 50 mm wide with a thickness of at least 1 mm. Finish the seam properly by removing the redundant HERTALAN® KS 96. The seam can be fully aggravated when the HERTALAN® KS 96 is on maximal strength.

SUBSTRATES

Wood, concrete, aerated concrete, metal, masonry, etc. The surface must be smooth, clean, dry, free from oil and grease. The substrates have to be free from sharp edges or points. This type of adhesive is not suitable for applying directly onto polystyrene foam or plasticized PVC. For porous materials such as masonry, concrete, plaster etc., pre-treatment with HERTALAN® KS 96 PRIMER is strongly recommended.

COVERAGE

With a sausage of 600 ml a coverage rate can be achieved of approx. 15 m¹.
(Based upon a bead-diameter of approx. 7 mm).

With a cartridge of 290 ml a coverage rate can be achieved of approx. 7 m¹.
(Based upon a bead-diameter of approx. 7 mm).

CLEANING

Equipment and tools can be cleaned with refined petrol.

OPEN TIME

The open time depends on the temperature and air humidity. In normal conditions it is advised not to apply more adhesive than can be covered in 5 minutes. At high temperatures the open time will be reduced. The roofing membranes / strips must be rolled out and pressed on before a skin forms on the adhesive.

CURING

Depending on substrate, temperature, air humidity and amount of adhesive applied, curing is approx. 1-2 mm per 24 hours. For instance, on wood and concrete the optimum strength and temperature resistance will be reached after approx. 2-3 days. In between membranes and on porous surfaces the optimal strength and temperature resistance will be reached after 25-30 days.

However, an initial watertightness is guaranteed shortly after application.



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