

# Elastovill E-KV- 4S (Elastovill E-4-S)

Elastomer bitumen-sealing membrane



## The Product

**Elastovill E-KV- 4S** is a sealing membrane with a polyester fleece carrier which is impregnated and coated on both sides with SBS modified bitumen. The top of the membrane is finished with protecting slate chippings, and the bottom side is covered with a torch film. Production and the factory production control-system are certified according to EN ISO 9001.

## Product Features

Due to good cold flexibility **Elastovill E-KV-4S** shows perfect behaviour in application and deformation, excellent crack bridge ability and permanent reset force ability even at low temperatures. The tear resistant and elastic capable carrier shows high resistance against mechanical perforation. No further surface protection is necessary because of the high resistant slate finishing.

## Field of Application and Application Method

**Elastovill E-KV- 4S** is suitable as a capsheet in multilayer sealing systems according to ÖNORM B 2220 and will be used at new building constructions or redevelopment on flat roofs, pitched decks, and diverse building constructions. Where occurring deformation stress from the construction( lightweight roof-decks, thermal stress, creep and dwindle of concrete, cracks by sinking, extension joints a.s.o.) are expected, **Elastovill E-KV- 4S** is recommended. The glueing follows mainly by the thorch on method, full bond.

## Technical Data

|  |                      |   |
|--|----------------------|---|
| Thickness  | [mm]                 | approx. 4,0                                       |
| Weight   | [kg/m <sup>2</sup> ] | approx. 4,6                                       |
| Maximum tensile force                              | [N/5 cm]             | 800/800   |
| Elongation at max. tensile force                   | [%]                  | 40/45   |
| Cold flexibility (r = 15 mm/3 s), no cracks        | [°C]                 | -20   |
| Heat resistance, method A , 2 hours                | [+100° C]            | heat resistant                                    |
| Waterproof, 5 bar, 24 hours                        |                      | waterproof  |
| Softening point of coating mass                    | [°C]                 | >120  |
| Reinforcement                                      |                      | polyester fleece according ÖNORM B 3657           |
| Thickness of vapour diffusion-equivalent air layer | [μ.s(m)]             | 130   |
| Chemical resistance resistant                      |                      | water, saline solution, dilution acids and bases  |
| labile   |                      | oil, mineral oil products, hydro-carbon solutions |
| Surface, top/bottom                                |                      | slate flakes / fast melting film                  |
| Roll dimension, length / width                     | [m]                  | 10 / 1  |

Tested according ÖNORM B 3646 DIN 52123

## Note

Above figures are nominal figures, depending on statistic fluctuations. Technical modifications reserved. It is responsible to the user to check the suitability of the product in case of application and to make sure to be in possession of final release of the data sheet.

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update status: April 2003 -

## Storage

The rolls have to be stored vertically and protected against moisture and extreme heat. Before application in cold season, store at least 12 hours free from frost!

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