



KÖSTER Vapor Barrier FR

Technical Data Sheet RT 920 075

Issued: 2018-11-09

ITC INSTITUTE FOR TESTING AND CERTIFICATION Report 753501233/2016

Self adhesive hardwearing aluminium vapor barrier according to the DIN 18234.



Application

KÖSTER TPO Roofing Membranes are installed according to the installation instructions provided by the KÖSTER BAUCHEMIE AG.

KÖSTER Vapor Barrier FR is installed parallel to the trapezoidal roof sheets. The protective foil must be removed and the KÖSTER Vapor Barrier FR adhered to the substrate. The long seam is overlapped and fastened to the top flange of the trapezoidal roof sheet. The cross seams are installed over metal sheets or similar constructions used to bridge valley of the roofing sheets. The vapor barrier seams must be overlapped at least 8 cm. After installation the overlaps should be pressed down firmly by rolling with a rubber hand roller.

Features

Self adhesive, fabric reinforced aluminium vapor barrier with low fire load according to the DIN 18234. KÖSTER Vapor Barrier FR has a very high S_d value of > 1500 m, making it practically vapor tight. It is characterized by a simple and fast installation and high perforation resistance. The self-adhesive backing is covered with a protective foil.

Packaging

RT 920 075 1500 mm x 50 m, 75 m² roll

Safety

Observe all governmental, state, and local safety regulations when installing the material.

Technical Data

Topside	Reinforced aluminium composite foil
Bottom	Foil covered self adhesive layer
Length	50 m
Width	1.5 m
Thickness	0.14 mm
Area weight	150 g/m ²
S _d - Value	≥ 2.150 m
Calorific value	< 10.500 kJ/m ²
Reaction to fire	Class E
Resistance to shock	≤ 400 mm
Durability against aging	passed
Durability against chemicals	passed
Resistance to tearing (nail shaft)	along the length: ≥ 120 N across the membrane: ≥ 100 N
Shear resistance at the overlap	≥ 100 N/5 cm
Watertightness	Watertight
Elongation behavior at max. tensile force	along the length: ≥ 400 N/50 mm across the membrane: ≥ 200 N/50 mm
Elongation at max. tensile force	along the length: ≥ 10% across the membrane: ≥ 10%

Related products

KÖSTER ECB 2.0	Prod. code RE 820
KÖSTER TPO 1.5	Prod. code RT 815
KÖSTER TPO 1.8	Prod. code RT 818
KÖSTER TPO 2.0	Prod. code RT 820

Fields of Application

The KÖSTER low fire load vapor barrier is a self-adhesive vapor barrier for use on trapezoidal sheets. The seam closure is carried out by the self-adhesive layer of the vapor barrier membrane.

Substrate

The substrate must be sound, solid, and free of bond inhibiting substances such as laitance, oil, grease, and dust. Where necessary prime the substrate with KÖSTER Bitumen Primer. Suitable substructures are plastic-coated and galvanized trapezoidal sheets.

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

KÖSTER BAUCHEMIE AG • Dieselstraße 1-10 • D-26607 Aurich • Tel. 04941/9709-0 • Fax -40 • info@koester.eu • www.koester.eu