

## DACO-KSD-R

Product name: Self-adhesive, low fire load SBS modified bituminous vapour control layer with aluminium composite layer

Product code: 32633

Product standard: DIN EN 13970

Roll dimensions: 40.00 x 1.08 m

Protective coating:  
upper side Aluminium foil  
bottom side Release film

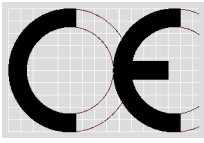
Reinforcement: Glass grid

Product description: DACO-KSD-R is a fire load reducing cold-applied, self-adhesive bituminous vapour control layer, which is saturated and coated with high quality SBS modified bitumen. It has a glass grid reinforcement, separating release film on the underside and is finished on the top side with aluminium foil.

Product use: DACO-KSD-R is designed for use as a vapour barrier for non-aerated layers of steel deck sub constructions, and is ideal for use within cold-applied roofing systems. The following roof layers (insulation, sealant, etc.) have to either be mechanically fixed or by means of an extra load secured against lifting forces (e.g. wind suction).

It is typically used within self-adhesive or torch-safe specifications on metal substrates.

Properties	Test method	Unit	Declared performance
Visible defects	DIN EN 1850-1	-	no visible defects
Length	DIN EN 1848-1	m	≥ 40.00
Width	DIN EN 1848-1	m	≥ 1.08
Straightness	DIN EN 1848-1	mm/10 m	< 20
Mass per unit area	DIN EN 1849-1	kg/m <sup>2</sup>	unverifiable result
Thickness	DIN EN 1849-1	mm	0.4 (± 0.1 mm)
Water tightness	DIN EN 1928 Method B	-	passed at 2 kPa
Tensile properties: maximum tensile force, L / T	DIN EN 12311-1	N	≥ 800 / 800



Properties	Test method	Unit	Declared performance
Tensile properties: elongation, L / T	DIN EN 12311-1	%	≥ 5 / 5
Flexibility at low temperatures	DIN EN 1109	°C	≤ - 23
Water vapour transmission properties	DIN EN 1931	m	Sd ≥ 1.500
Reaction to fire	DIN EN 11925-2	-	Class E according to DIN EN 13501-1
Caloric value according	DIN 51900	MJ/m <sup>2</sup>	< 10.5
Peel strength at the joints	DIN EN 12316-1	N/50 mm	40
Joint strength: shear resistance, L / T	DIN EN 12317-1	N/50 mm	400 / 400
Resistance to tearing (nail shank), L / T	DIN EN 12310-1	N	200 / 200
Resistance to impact method A / method B	DIN EN 12691	mm	≥ 500 / ≥ 300
Resistance to static loading method A / method B	DIN EN 12730	kg	≥ 5 / ≥ 20
Dimensional stability	DIN EN 1107-1	-	unverifiable result
Artificial aging	DIN EN 1296	-	unverifiable result

## Features & benefits:

- Cost-effective vapor control solution
- Flame free, self-adhesive application
- SBS modified bitumen
- Low fire load

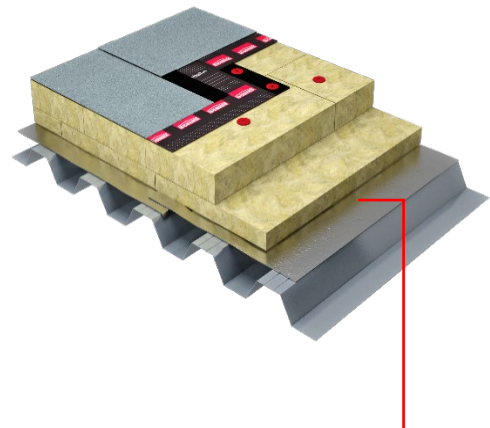
## Application overview:

DACO-KSD-R should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice. Roofing contractors should also be fully conversant with the requirements.

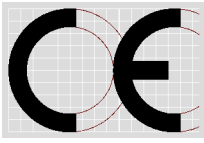
In order to install the DACO-KSD-R membrane correctly, ensure that the surface is dry, free of oil, fat and dust and other impurities. If necessary, the substrate can be primed with primer, which has been specially formulated to react with the self-adhesive coating in order to create a strong bond.

We recommend that self-adhesive membranes such as DACO-KSD-R are rolled into position and allowed to settle prior to their application. The membrane, which is laminated with separator foil on the bottom side, has to be adhered to the top chord of the profiled steel sheet with at least 8 cm longitudinal seam and at least 15 cm joint overlap. Ambient and surface temperatures during the application should be at least + 5°C.

With top and horizontal joint overlaps a stripe of DACO-KSD-R has to be applied vertically along the profile, width approx. 20 cm, like an "under layer" tightly clamped and adhered on the top chord of the profiled steel sheet.



**DACO-KSD-R**



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All joint overlaps have to be unrolled with a draw roll. The built in functional layer of DACO-KSD-R is not a 100% rainproof. Further roof layers should therefore be added bit by bit.

### **Chemical resistance:**

DACO-KSD-R is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

### **Storage:**

Store in a cool, dry place and protect from direct sunlight. The product should be installed within 3 months of delivery, otherwise the surface must be primed with a suitable primer. In the cold season, the membrane rolls should be stored at pre-temperature prior to processing and only taken from the temperature-controlled storage directly to the installation site and installed shortly before processing.

### **Health & safety:**

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from GEORG BÖRNER Technical Service Department.