Product name:	**DACO-KSD** Self-adhesive, SBS modified bituminous vapour control layer with aluminium composite layer
Product code:	10396
Product standard:	DIN EN 13970
Roll dimensions:	20.00 x 1.00 m
Protective coating: upper side bottom side	 Laminated aluminium foil Release film
Reinforcement:	Glass fleece 60 g/m²
Product description:	DACO-KSD is a cold-applied, self-adhesive bituminous vapour control layer which is saturated and coated with high quality SBS modified bitumen. It has a glass fleece reinforcement, separating release film on the underside and is finished on the top side with laminated aluminium foil.
Product use:	DACO-KSD is designed for use as a high performance vapour barrier for non-aerated layers of steel deck sub constructions, and is ideal for use within cold-applied roofing systems. The special lamination on its top side allows an actuated adherence e.g. with suitable PU-adhesives between vapour barrier and insulation material. It is typically used within self-adhesive 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	≥ 20.00
Width	DIN EN 1848-1	m	≥ 1.00
Straightness	DIN EN 1848-1	mm/10 m	< 20
Mass per unit area	DIN EN 1849-1	kg/m²	unverifiable result
Thickness	DIN EN 1849-1	mm	1.20 (±10%)
Water tightness	DIN EN 1928 Method B	-	passed at 100 kPa
Tensile properties: maximum tensile force, L / T	DIN EN 12311-1	N	≥ 600 / 400

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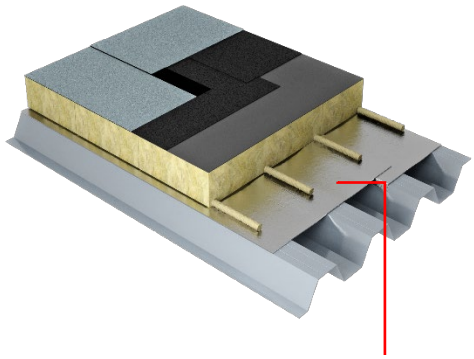
Properties	Test method	Unit	Declared performance
Tensile properties: elongation, L / T	DIN EN 12311-1	%	≥ 2 / 5
Flow resistance at elevated temperatures	DIN EN 1110	°C	≥ +100
Flexibility at low temperatures	DIN EN 1109	°C	≤ - 30
Water vapour transmission properties	DIN EN 1931	m	Sd ≥ 1.500
Reaction to fire	DIN EN 11925-2	-	Class E according to DIN EN 13501-1
Peel strength at the joints	DIN EN 12316-1	-	unverifiable result
Joint strength: shear resistance , L/T	DIN EN 12317-1	-	unverifiable result
Resistance to impact	DIN EN 12691	-	unverifiable result
Resistance to static loading	DIN EN 12730	-	unverifiable result
Dimensional stability	DIN EN 1107-1	-	unverifiable result
Artificial aging	DIN EN 1296	-	unverifiable result
Peel strength at the joints	DIN EN 12316-1	-	unverifiable result
Joint strength: shear resistance , L/T	DIN EN 12317-1	-	unverifiable result

Features & benefits:

- Adhesion of thermal insulation to the upper surface of membrane with the suitable polyurethane adhesive
- Flame free, self-adhesive application
- The possibility of walking over the material
- Excellent low temperature flexibility at -30°C
- Flow resistance at high temperature 100°C
- SBS modified bitumen
- Reliable, environmentally friendly material



DACO-KSD

Application overview:

DACO-KSD 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.

If hot air guns are used during application, operatives should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

In order to install the DACO-KSD 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 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 a joint overlap of at least 8 cm. Ambient and surface

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temperatures during the application should be at least + 5°C.

The overlap of the longitudinal seam is made to lie on the upper chord of the steel deck. To obtain air tightness in the area of the cross-seams on profiled steel-sheets, please consult the relevant national technical standards. During the application of DACO-KSD we recommend using a weighted roll bar or tube in order to help provide a uniform, strong bond. After application, the installed membrane should be rollered again to remove any entrapped air and further consolidate the bond with the substrate.

All join overlaps have to be unrolled with a draw roll.

The built in functional layer of DACO- KSD is not a 100 % rainproof. Further roof layers should therefore be added bit by bit.

Chemical resistance:

DACO-KSD 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.

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