

TECHNICAL DATA SHEET 2411-2-2

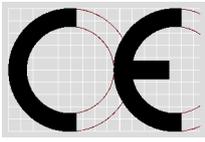
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Product name:	DACO-KSO+ Self-adhesive reinforced polymer bitumen cap sheet
Product code:	12341
Product standard:	EN 13707
Roll dimensions:	7.50 x 1.00 m
Protective coating: upper side bottom side	Slate Release film
Reinforcement:	Polyester / glass composite
Product description:	Cold self-adhesive reinforced polymer bitumen cap sheets with polyester/glass composite reinforcement – as a top layer for roof insulation, for detailing areas.
Product use:	<p>DACO-KSO+ is a premium polymer bitumen membrane with intergrated safty seal-edge and special polyester/glass reinforcement that is mostly used as the top layer in a multi-layered, cold-applied roof construction for detailing areas.</p> <p>The application of DACO-KSO requires a slope of at least 2 % (with systematic water flow conditions) and a surface that is suitable for the adhesion.</p>

Properties	Test method	Unit	Declared performance
Visible defects	EN 1850-1	-	no visible defects
Length	EN 1848-1	m	≥ 7.50
Width	EN 1848-1	m	≥ 1.00
Straightness	EN 1848-1	mm/10 m	< 20
Mass per unit area	EN 1849-1	kg/m ²	unverifiable result
Thickness	EN 1849-1	mm	4.2 (-5/+10%)
Water tightness	EN 1928 Method B	-	passed at 200 kPa
Tensile properties: maximum tensile force, L / T	EN 12311-1	N	1400 / 900 (± 15%)
Tensile properties: elongation, L / T	EN 12311-1	%	40 / 45 (± 5)
Dimensional stability	EN 1107-1	%	0.18 (± 0.09)



Properties	Test method	Unit	Declared performance
Flexibility at low temperatures	EN 1109	°C	≤ - 25
Flow resistance at elevated temperatures	EN 12311-1	°C	≥ +100
Reaction to fire	EN 11925-2	-	Class E according to DIN EN 13501-1
External fire performance	CEN/TS 1187	-	Roof (t4) (see tested system)

Features & benefits:

- Incorporates Börner graphite technology which actively prevents spread of flames on the roof
- Excellent low temperature flexibility at -25°C
- Polyester / glass reinforcement

Application overview:

DACO-KSO+ should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

The surface has to be dry and free of oil, fat, dust and other impurities. DACO-KSO+ is applied by pulling off the bottom separating foil while simultaneously rolling out the sheet.

The overlapping sheet at a t-joint connection has to have a diagonal cut over the width of the overlapping. The diagonal sheet edge has to be cut off with a knife at approx. 45°.

The protective sheet of the longitudinal seam has to be removed.

Overlapping on the mineral chippings and the integrated safety seal edge of the longitudinal seam has to be closed with a hot air blow dryer (>3000 W) or activated thermally with hot gas. All joint overlaps have to be unrolled with a draw roll. The outside and surface temperature as well as the temperature of the material at the time of application must be at least +5° C.

In adverse weather conditions and/or during the colder times of the year the bottom side of DACO-KSO+ must be thermally activated with hot gas during the application.

The colour of the granules can vary during their useful life due to the effect of the weather and other outside agents.

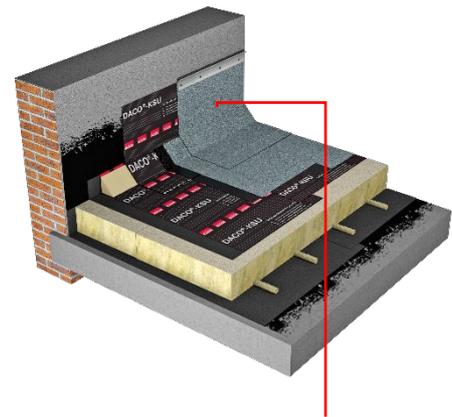
Chemical Resistance:

DACO-KSO+ is water-resistant as well as resistant to watery solutions of salt, diluted non oxidising acids and bases.

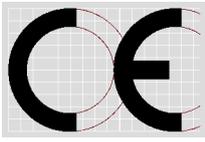
Aliphatic and aromatic hydrocarbons as well as chlorine hydrocarbons, oils and greases loosen DACO-KSO+.

Storage:

Store upright in a cool and dry place. Prevent direct sunlight and use the product within 6 months after delivery. During the cold season the rolls of DACO-KSO+ should be protected from frost before the application and stored accordingly. They should only be taken from the frost protected, heated storage to the building site when they can be applied as soon as possible.



DACO-KSO+



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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.

Certification number:

1724 - CPD – 041101