Oskorp

WINDOW SEALING SYSTEM

TECHNICAL DATA

OSKORP

DUOEASY

The smart Flashing & Sheathing Tape

- Internal and external window sealing
- Smart moisture-adaptive Sd-value
- With finger lift and split liner
- Stops draughts and moisture

HANNO

BG1 TAPE

Extremely durable Hanno-BG1 clearly exceeds the requirements for protection against driving rain, airtightness and resistance to weathering according to the highest standards for joint sealant tapes.

HANNO

3E TAPE

Ideal for an easy and reliable sealing of windows and doors during any weather, the „all-in-one“ multi-functional tapes are the optimum choice. Their moisture-adapting membranes ensure that the joint can dry out all year.

DuoEasy Data

Construction

Oskorp DuoEasy is a flashing tape which features a special PET/PA non-woven film carrier, a UV-acrylic adhesive, and a siliconized PP film liner.

Properties

- Easy converting due to split release liner and high tensile strength in machine- and cross-direction
- Excellent temperature resistance
- Free of emulsifiers and APEOs
- Solvent free adhesive with very low emissions and excellent aging resistance
- Outdoor exposure for up to 3 months
- Can be plastered

Certificates and Tests

- DIN EN 1942 / ASTM D3652
- DIN EN 29864 / ASTM D3759
- DIN EN ISO 29862 / ASTM D3652
- DIN EN ISO 12572
- Fulfill the requirements of AAMA 711

Technical Data

Examination	Standard	Typical value	Unit
Thickness	DIN EN 1942 / ASTM D3652	0.4	mm
Elongation at break	DIN EN 29864 / ASTM D3759	25	%
Tensile strength, md	DIN EN 29864 / ASTM D3759	40	N/cm
Tensile strength, cd	DIN EN 29864 / ASTM D3759	40	N/cm
Adhesion to steel	DIN EN ISO 29862 / ASTM D3652	15	N/cm
Temperature range	---	-40 – +212	°F
Processing temperature	---	> 41	°F
Water vapor permeability (Sd value) *	DIN EN ISO 12572	0.5 – 3.2	m

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BG1 Data

Construction

BG1 is a pre-compressed, self-expanding joint sealing tape of polyurethane soft foam with acrylic polymer dispersion impregnation, accessory agents and filling agents.

Properties

- Driving rain resistance > 12.5 psf (ASTM E331/E547) up to 22 psf possible
- Airtight 0.3 cfm/ft at 1.6 psf (ASTM E283)
- Vapor permeable
- Very low emissions (Volatile Organic Compounds, VOC)

Certificates and Tests

ATI, Architectuel Testing York,PA
Tests according to ASTM E 283, ASTM E 330, ASTM E 331, based on Miami Dade Protocol.
Fire Rating according to ASTM E84

MPA: DIN 18542 BG1 includes:
Inflammability DIN 4102-B1 (low flammability): vertical joints are flamed in a chimney-like test stand. Sealing tape must remain intact; flame must be self-extinguishing.

Temperature resistance: Cycles of 122°F (50°C) to 176°F (80°C) and -4°F (-20°C): Joint sealing tape must still perform when opening the joints.

Resistance to UV and humidity according to ISO 4892-2: 2 months cycles of UV radiation and rain: Joint sealing tape must still perform when opening the joints.

Compatibility with building materials 14d at 176°F (80°C): no effects on materials: no bleeding, no corrosion, no staining, no discoloration.

Vapor diffusion according to ISO 12572: sd <= 0,5 m diffusion open.

Weather resistance: Joints in a cellular concrete wall were filled with Hannoband®-BG1 and tested after 15 years of open weathering with an orientation to south. Air tightness, rain tightness, consistency, flexibility fulfill DIN 18542.

EMICODE® EC1Plus: emission classification with TVOC < 5 µg/m³ tested and classified according to ISO 16000-6

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Technical Data

Color	–	light grey, grey, black
Stress group	DIN 18542:2020	BG1: consists of air tightness, water tightness, inflammability, temperature-, UV- and humidity-resistance, vapor diffusion, compatibility to adjoining materials.
Fire testing	DIN 4102-1 EN 13501 ASTM E 84	B1 (low flammability) Class E Class A
Test Loads, Architectural Testing, Inc. York,PA	ASTM E 330	± 75.24 psf Test Loads, Uniform Load Deflection ± 187.97 psf Test Loads, Uniform Load Structural
Air tightness Architectural Testing, Inc. York,PA	ASTM E 283	0.08 cfm/ft (1.57 psf) 0.33 cfm/ft (6.25 psf)
Resistance to water penetration at Architectural Testing, Inc. York,PA	ASTM E 331	≥21.93 psf (≥1050 Pa)
Heat resistance		- 30°C - 100°C (-40 °F - 212 °F) Short term: -40 °C - 120° C (-40 °F - 248°F)
Joint noise insulation RST,ω	ift SC-01/2:2002-09	up to 59 dB (two joint sealing tapes)
Weather resistance:	artificial weathering outdoor weathering	> 10 years tested > 15 years tested
Compatibility with adjoining building materi- als	DIN 18542:2020	passed: no bleeding, no corrosion, no staining, no dis-coloration
Acid and alkaline resistance		passed: the function is not affected
Vapor diffusion	ISO 12572	sd < 0,5 m
Thermal conductance:	DIN EN 12667	λ = 0.0412 W/mK (0.297 Btu*in/(h*ft²+F) R-value 1'' tape = 3.509 h*ft²*F/Btu R-value 2'' tape = 7.018 h*ft²*F/Btu
Emmissions (VOC)	EMICODE® (ISO 16000-6)	EC1^{Plus}, very low VOC (<5 TVOC [µg/m³])
Shelf life:		24 months from date of production

3E Data

Construction

Hannoband-3E is a pre-compressed and impregnated multifunctional joint sealing tape made of polyurethane soft foam with acrylic dispersion impregnation and moisture-adaptive functional membranes.

Properties + Certificates and Tests

- DIN 18542:2020 - MF2 (Meets requirements for airtightness, watertightness, protection of functional level, and thermal in-sulation according to DIN 18542:2020 - MF1)
- Driving Rain Tight (>=1050 Pa according to DIN EN 1027)
  Airtight (a<<0.1 according to DIN EN 12114/DIN EN 1026)
- Very good sound insulation
- Installation independent of weather conditions
- Moisture-adaptive membranes adjust their water vapor permeability to the moisture load. The diffusion resistance also increases with increased ambient humidity
- System component of the Hanno®-3E sealing system with a 10-year functional guarantee**
- Very low emissions Plus EMICODE®-EC1Plus
- **when using all Hanno system components according to manufacturer's instructions

Technical Data

Property	Standard	Value
Color		anthracite, with functional membranes
Stress group	DIN 18542:2020	MF2, MPA*
Fire behavior	DIN EN 13501-1	Class E, MPA*
Bulding component test	MO-01/1:2007-01	passed, is*
Airtightness	DIN EN 12114	an < 0,1 m³/(h m [dPa]2/3), MPA* #
Driving rain tightness	DIN EN 1027	≥ 1050 Pa, MPA* #
Protection of functional plane	DIN 18542:2020	≥ 600 Pa, MPA* #
Condensate resistance	DIN 18542:2020	fulfilled, MPA* #
Vapour diffusion resistance	DIN EN ISO 12572	Moisture variable, μ=10-47, MPA* #
Thermal conductivity	DIN 18542:2020	λ = 0,0417 W/(m*K), MPA* #
Joint noise reduction index RS, W	ift SC-01/2:2002-09 DIN EN ISO 10140-1 bis -6	unplastered: 57 dB ift
Emissions	EMICODE®	EC1Plus, GEV*
Compatibility with conventional building materials	DIN 18542:2020	fulfilled, MPA* #
Temperature resistance	DIN 18542:2020	-20 °C bis +60°C MPA*
Processing temperature	-	+5°C to +30°C. Pre-cool at temperatures above +20Â°C, preheat if necessary, at low temperatures.
Shelf life	-	12 months, dry, at room temperature in the original container