

RackSEAL Material Specification

Product Information - Zouch Expanda Foam BG1
Joint Sealing Tape
Corresponds to DIN 18 542 / Stress Group 1 (MPA Hannover)
Test Certificate No: 061644-Sz

Description	Consists of a precompressed joint sealing tape based on polyurethane foam, saturated with an acrylic impregnation. The product is free from chlorinated compounds, CFC and halogens.
Application	This product is appropriate for the sealing of outside joints at windows and doors, which are exposed to direct weathering.

Product Properties– Not for specification purposes	
Carrier	PUR foam with an impregnation
Adhesive	Acrylic scrim
Colour	Black
Thickness	Precompressed rolls, one-side self-adhesive Length of roll: 2-12m, depending on the thickness Thicknesses: 10-150mm (decompressed) Widths: 10-1000mm
Tensile Strength DIN EN ISO 1798	At least 100kPa
Elongation at Break DIN EN ISO 1798	At least 200%
Compressive Strength at a Compression of 40% DIN EN ISO 3386	3.4kPa +/- 15%
Fire Behaviour DIN 4102-1	B1 (Certificate no. P- nds04-284) (MPA Hannover)
Temperature Resistance	-30°C until +100°C / +130°C at short term
Permeability of Joints DIN EN 1026 (DIN EN 42)	Coefficient of joint permeability $a \leq 0.1 \text{ m}^3 / \text{h.m.}(\text{dapa})\text{N}$ (MPA Hannover) test report no: 010714-Sz
Permeability of Joints DIN EN 1027 (DIN EN 86)	$\geq 600 \text{ Pa}$ / stress group BG1 (MPA Hannover) (wind force: 11 / height of building:100m) test report no: 010714-Sz
Sound Absorption accord. to DIN 52 210	Sound absorption measure RST.W: 48 db
Weathering Resistance (Factitious Weathering / Natural Weathering)	> 10 years

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Product Properties– Not for specification purposes	
Compatibility with Commercially Available Building Materials and Resistance to Alkaline Substances (DIN 18 542)	Passed (MPA Hannover) test report no: 010713-Sz
Water Steam Diffusion at a Compression Down to 20% (DIN EN ISO 12572)	$\mu < 10$
Thermal Conductivity (DIN 52 612)	$\lambda = 0.07 \text{ W/m.K}$

Description	The product is not classified as dangerous under the rules for dangerous materials and under the EC Guidelines. However, we recommend to treat the product with the usual care and hygienic precaution usually applied when handling chemical substances.
Storage	Unprocessed in the original cardboard box 18 months starting from production date at a relative atmospheric humidity of about 60% and a temperature of 18°C
Special	The technical data and test reports are in revision according to the new standard DIN 18 542: 2-2008

Special Information

All data and technical information presented are based on laboratory tests or have been compiled from supplier information to the best of our knowledge. A guarantee that the values are complete and correct can however not be given. You are kindly requested to conduct your own tests to determine the suitability of our product for your applications.

