



EUROTEAM

## EUROLASTIC LM 100

Elastic 1-component SMP sealant based on silane-modified polymers for building joints

<b>PRODUCT DESCRIPTION</b>	EUROLASTIC LM 100 is a universal, high-adhesion and elastic 1-component SMP sealant for building joints.
<b>SCOPE</b>	<ul style="list-style-type: none"><li>- For indoor and outdoor use on smooth and porous surfaces substrates</li><li>- Joints in building construction</li><li>- Connection, movement and facade joints on metal, various plastics, concrete, plaster, masonry, wood, etc.</li><li>- Sealing of joints in the sheet metal work area for exterior wall and cladding joints</li></ul>
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"><li>- strong adhesion and elastic</li><li>- Good adhesion to metals, powder-coated surfaces, painted surfaces, galvanized, anodized, chromated or hot-dip galvanized surfaces, various plastics, ceramics, concrete and wood</li><li>- Excellent stability, suitable for vertical applications Surfaces and ceilings</li><li>- weather-resistant and moisture-curing</li><li>- silicone-free, neutral curing, odorless</li><li>- very low emissions</li><li>- Not suitable for natural stonework</li><li>- good chemical resistance to water, aliphatic Solvents, oils, fats, diluted inorganic acids and Alkalis</li><li>- moderately effective against esters, ketones and aromatics</li><li>- paintable</li></ul>
<b>COLORS</b>	<ul style="list-style-type: none"><li>- Grey, White</li></ul>



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<b>SUBSTRATE PREPARATION</b>	<p>Prerequisites for flawless sealing work include correct joint dimensioning and preparation of the bonding surfaces. The bonding surfaces must be clean, free of oil and grease, dry, and free of any substances that could impair adhesion at the time of sealing. For masonry, concrete, and brick, the surface must be prepared by grinding, sandblasting, or using a wire brush. For metal, any flaking, rust, and all coatings must be removed. Then, thoroughly vacuum up the dust.</p>
<b>BACKFILL</b>	<p>The joint space must be tightly and firmly backfilled with closed-cell polyethylene round cord. This must not be damaged when applying the sealant.</p>
<b>PRIMER</b>	<ul style="list-style-type: none"><li>- Good adhesion is achieved on many clean material surfaces even without a primer.</li><li>- However, it should always be checked whether the cured <b>EUROLASTIC LM 100</b> will be exposed to high temperatures and humidity. In this case, and for porous or difficult surfaces, we recommend using the following primers:<ul style="list-style-type: none"><li>- Absorbent surfaces: EUROLASTIC Primer B1</li><li>- Non-absorbent surfaces: EUROLASTIC Primer S2</li></ul></li></ul>
<b>PROCESSING CONDITIONS</b>	<p>Material temperature: min. +10°C max. +30°C Subsurface temperature: between +5°C and +40°C Ambient temperature: between +5°C and +40°C The dew point must be observed!</p>
<b>PROCESSING</b>	<p>Apply the sealant using a suitable hand-held caulking gun, ensuring it is free of bubbles and voids and in full contact with the joint surface. Then, smooth the joint surface with a suitable smoothing tool or spatula. When using smoothing agents, compatibility must be tested. Due to the wide variety of different plastics and compositions, as well as with materials prone to stress cracking, preliminary tests are recommended. For direct contact with insulation boards or bituminous substrates, preliminary tests and/or consultation with our application engineering department are recommended.</p>
<b>CLEANING</b>	<p>The tools can be cleaned with rubbing alcohol, isopropanol, or EUROLASTIC Cleaner G when fresh material is present. Once the material has fully reacted, they can only be cleaned mechanically.</p>



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<b>PAINT COMPATIBILITY</b>	Due to the wide variety of paints and coatings available on the market, we recommend preliminary tests. Drying delays may occur with alkyd resin paints. If applied to painted or plastered surfaces, sufficient drying time for the paint/plaster must be observed (usually 10 days). Recoatable at any time after cleaning with acetone.																								
<b>CONSUMPTION</b>	<table border="1"><thead><tr><th>Joint width in mm</th><th>Joint depth in mm</th><th>consumption in ml/m</th></tr></thead><tbody><tr><td>10</td><td>10</td><td>approximately 100</td></tr><tr><td>15</td><td>12 - 15</td><td>approx. 180 - 225</td></tr><tr><td>20</td><td>16 - 20</td><td>approximately 320 - 400</td></tr><tr><td>25</td><td>20 - 25</td><td>approximately 500 - 625</td></tr><tr><td>30</td><td>24 - 30</td><td>approximately 720 - 900</td></tr><tr><td>35</td><td>28 - 35</td><td>ca. 980 - 1225</td></tr><tr><td>40</td><td>32 - 40</td><td>ca. 1280 - 1600</td></tr></tbody></table>	Joint width in mm	Joint depth in mm	consumption in ml/m	10	10	approximately 100	15	12 - 15	approx. 180 - 225	20	16 - 20	approximately 320 - 400	25	20 - 25	approximately 500 - 625	30	24 - 30	approximately 720 - 900	35	28 - 35	ca. 980 - 1225	40	32 - 40	ca. 1280 - 1600
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<b>PACKAGING</b>	<b>EUROLASTIC LM 100</b> is supplied in 600 ml foil pouches. (12 pieces per carton)																								
<b>STORAGE AND SHELF LIFE</b>	Store in cool and dry conditions (+10°C to +25°C). Under these conditions, the shelf life in the unopened and undamaged original container is 18 months.																								
<b>EXAMS/ APPROVALS/STANDARDS</b>	EMICODE EC1Plus Eurofins IAC Gold ISEGA (food-related sector) ISO 11600-F25-LM																								
<b>SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES</b>	<b>EUROLASTIC LM 100</b> waste and containers must be disposed of safely. Avoid release to the environment. Wear appropriate protective equipment. Completely emptied containers can be returned to the KBS/Interseroh recycling system. The instructions in the corresponding safety data sheet must be strictly observed.																								



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## TECHNICAL DATA\*

TECHNICAL SPECIFICATIONS	UNIT	VALUE
Material basis		Silane-modified polymer
Number of components, curing process		1-component, moisture-curing
density	g/cm <sup>3</sup>	1.53 +/- 0.05
Volume change, DIN EN ISO 10563	%	≤ 3
Consistency, DIN EN ISO 7390	mm	stable, ≤ 3
Processing time at +23°C/50% RH	min	max. 30
Processing temperature	°C	+5 to +40
Fully cured after 24 hours	mm	≥ 2
MECHANICAL PROPERTIES	UNIT	VALUE
Shore A hardness at 23°C, DIN 53505		24
Elongation at break, DIN 53504	%	approximately 500
Module at 100% elongation, DIN 53504	N/mm <sup>2</sup>	approximately 0.5
Tensile strength, DIN 53504	N/mm <sup>2</sup>	approximately 0.7
Retainable energy, DIN EN ISO 7389	%	≥ 70 at 100% elongation
Permissible total deformation	%	25



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KEY FEATURE	PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATION
Fire behavior	Class E	EN 15651-1:2012-12
Release of chemicals that are hazardous to health and/or the environment	rated	
Water and airtightness		
a) Standing power	≥ 3mm	
b) Volume loss	≥ 10%	
c) Tensile behavior after pre-tensioning after immersion in water	NF	
d) Tensile behavior under preload	NF	
e) Tensile behavior under preload at -30°C	NF	
f) Tensile behavior (secant modulus / elongation at break)	≥ 0.4 MPa	
g) Tensile behavior (secant modulus) at -30°C	≥ 0.9 MPa	
h) Durability	passed	

\*These figures are guidelines only. They are not intended for creating specifications.

The data were obtained at +23°C and 50% relative humidity. Higher temperatures and/or higher relative humidity may shorten or lengthen these times. All technical data, dimensions, and information in this datasheet are based on laboratory tests. Actual measured data may differ in practice.

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