



EUROLASTIC PRO M 40

Resilient, 1- component, MS-hybrid, high-performance sealant for floor and building joints with a Shore A hardness of 43 and 25% approved total deformation

Product description **EUROLASTIC PRO M 40** is a 1-component, MS-hybrid, polymer-based sealant that is characterised by exceptional mechanical strength and high approved total deformation.

Area of application

- expansion and connection joints in indoor and outdoor areas subject to heavy loads such as warehouses, parking decks, underground garages, production halls, tunnel engineering, etc.
- for surfaces that are subject to regular mechanical cleaning
- joints in sewage and waste water plants with urban waste
- water gluing of various plastics such as EPDM profiles for indoor and outdoor use
- for pedestrian and traffic areas
- food industry

Product characteristics

- resilient
- absolutely weatherproof
- odourless
- very good workability
- highly effective adhesion to various substrates, even without primer
- 1-component, neutrally crosslinking
- extremely high temperature resistance (-40°C to +90°C)
- high mechanical strength (Shore A hardness of 43!)
- resistant to water, aliphatic solvents, oils, greases, diluted organic acids and alkalis
- outstanding cold resilience
- paintable

Colours grey, black, white



Substrate preparation

The substrate temperature must be between +5°C and +40°C, and the temperature of the bonding surfaces must be at least 3°C above the prevailing dew point temperature. At the time of jointing, the bonding surfaces must be clean, free of oil and grease, dry and free of substances that could prevent adhesion.

Backing

The joint space must be tightly and firmly backed with round, closed-cell polyethylene cord. The cord must not be damaged during sealant application.

Primer

EUROLASTIC PRO M 40 has very good adhesion properties without primer on diverse clean, solid substrates. With highly stressed joints or porous and highly absorbent substrates such as concrete/sandstone, we recommend pre-treatment of the joint flanks with a primer: EUROLASTIC U12G in traffic areas and EUROLASTIC Primer B1 for building applications.

Processing conditions

Material temperature: min. +10°C, max. +30°C
 Substrate temperature between +5°C and +40°C. Ambient temperature between +5°C and +40°C.
 The dew point must be taken into account!

Handling

Apply the joint sealant without bubbles or voids with a suitable hand-held caulking gun, ensuring full surface contact with the joint flank. The joint surface is then skimmed and smoothed with a suitable smoothing tool or putty knife. Compatibility must be tested when using smoothing agents.

Cleaning

Fresh material can be removed from the tools with EUROLASTIC Cleaner G. Mechanical cleaning will be required if the material has fully cured.

Consumption

Joint width in mm	Joint depth in mm	Consumption in ml/m
10	10	approx. 100
15	12 - 15	approx. 180 - 225
20	16 - 20	approx. 320 - 400
25	20 - 25	approx. 500 - 625
30	24 - 30	approx. 720 - 900
35	28 - 35	approx. 980 - 1,225
40	32 - 40	approx. 1,280 - 1,600



Packaging	EUROLASTIC PRO M 40 is delivered in 600 ml tubular bags (12 units per carton).
Storage and shelf life	Store in a cool, dry place (+10°C to +25°C). Under these conditions, the shelf life of unopened and undamaged original containers is 18 months.
Tests/ Approvals/Standards	- ISEGA 30020 U10 - ISO 11600
Special instructions/protective measures	EUROLASTIC PRO M 40 waste and containers must be disposed of in a safe manner. Avoid release into the environment. Completely empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the corresponding safety data sheet must be strictly observed.

Technical data*		
Technical properties	Unit	Value
Material basis		MS-hybrid polymer
Number of components		1-component
Density at +23°C	g/cm ³	approx. 1.52
Viscosity at +23°C		non-sag
Processing time at +23°C/50% relative humidity	min	max. 30
Curing time at +23°C/50% relative	mm	approx 3.5/24h
Object and processing temperature	°C	from + 5 to + 40
Temperature resistance	°C	from - 40 to + 90
Mechanical properties	Unit	Value
Shore A hardness		approx. 43
Approved total deformation	%	25
Elongation at fracture	%	500
Tensile stress at +23°C	N/mm ²	approx. 0.30
Tensile stress at -20°C	N/mm ²	approx. 0.45
Recovery capability	%	> 70
Tensile strength at 100% elongation	N/mm ²	1.6
Chemical resistance	see chemical resistance list	

*These are approximate values. The values are not intended for the preparation of specifications.



The data was determined at +23°C and 50% relative humidity. These times may be longer or shorter at higher temperatures and/or relative humidities. All technical data, measurements and information in this data sheet are based on laboratory tests. Actual measured data may deviate in practice.

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