

TECHNICAL DATASHEET

PURASEAL 150

About Product

PURASEAL 150 is a high-performance, fully elastic, single-component, polyurethane-based material for concrete and expansion joints and various adhesive applications.

Product code: 205.30096

Application Areas

PURASEAL 150 is a concrete joint filler and various-purpose elastic adhesive material, therefore, it is used in many different areas.

- In all types of construction work both indoors and outdoors
- In filling concrete and expansion joints in horizontal and vertical directions
- In protection of concrete and structures from temperature, vibration, and other impacts (up to 25%)
- In adhesion of construction materials such as natural stone, ceramics, tiles, wood, aluminum, glass, metal, brick, and gypsum plasterboard
- In assembly, decorative, and roofing works requiring flexible adhesion and waterproofing
- In internal and external gluing of various ready-made concrete elements, stairs, window sills, thresholds, and skirting boards
- In the installation of ventilation systems

Advantages

As a filler:

- Easy to prepare and apply
- Dries in the air and the presence of moisture
- Does not bubble when used
- High elasticity
- Resistant to weather and seasonal conditions, does not change physical properties
- High viscosity, does not flow when applied
- Resistant to various chemicals and UV radiation
- Waterproof under all conditions
- Resistant to corrosion
- Reduces impacts by accepting vibrations and blows
- Fills cracks

As adhesive:

- Ensures good adhesion to concrete, metal, glass, and other building materials
- No need for the separate anchorage of the adhering part

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Technical Specifications

Composition of material	Polyurethane-based
Color	White, grey, black
Density	1.3 g/cm ³
Shore A hardness (ISO 868)	30-40
Elasticity modulus in 28 days (ISO 8339)	0.55-0.65 MPa
Ability to absorb motion	25 %
Elongation at tension in 28 days (ISO 8339)	≥200
Elasticity limit (ASTM D412)	600 %
Bending strength (ASTM D412)	2.2 MPa
Elastic rollback capability (ISO 7389)	≥70
Sliding	no
Film forming time	90 min
Drying time	3.5 mm/ 24 hours
Chemical resistance*	To some chemicals
Application temperature	+5°C / +40 °C
Service temperature	-30 °C / +80 °C

The above figures are valid for +20°C and relative humidity of 50%. High temperatures accelerate the process while low temperatures extend it.

Note: **Resistant to water, chemical detergents, non-permanent oil and hydrocarbon-based materials, various acids, and alkalis.

** May slightly change color under the impact of UV radiation (without change in physical and strain-stress properties)

Application Guidelines

Surface Preparation

Ensure the treated surface is healthy, dry, clean, dust-free, and load-bearing. The surface should be free of grease, rust, solid lubricating oil, paraffin residues, and excessive debris weakening adhesion. Do not apply to areas that are frozen, thawed, or at risk of freezing within 24 hours. Do not apply in direct sunlight, strong wind, or rainy weather.

Application

PURASEAL 150 is ready to use and easy to apply with a silicone gun.

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Packaging

PURASEAL 150 is packaged in a 600 ml tube and ready for immediate use.

Cleaning Tools

After application, clean the used tools and accessories immediately with solvent. Once the material has hardened, it can only be removed from the surface mechanically or with a solvent.

Storage Conditions

Store unopened in the original packaging in a dry and cool place protected from direct sunlight and frost.

Shelf Life

Under proper storage conditions, 24 months from the date of manufacture.

Safety Measures

To comply with health and safety regulations during the application, refer to the safety datasheet for proper use, transportation, disposal, and other important information on the product.

Liability

Our company shall only be liable for the product quality. Our company shall not be liable for any use of the product in breach of written guidelines and/or improper use. For more details, please request a product manual or contact our company's responsible officials.



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