



PRS.0034
EG 91

Epoxy-polyurethane two-component, thixotropic, elastomeric sealant

Customs Code

3907 3000

Packaging

- Can 4 kg [A]
- Can 1 kg [B]
- Kit: 1 Can 4 kg [A] + 1 Can 1 kg [B]

Application

- Spatula
- Dispensing gun

Family
Proseal

Product Lines
 • Infratech
 • Floor

Components
Two-components

Type
Plastic and elasto-plastic sealants

Functional Categories
 • **Construction of high performance industrial concrete floors**
 • **Waterproofing control joints or construction joints**
 • **Structural maintenance of dams, reservoirs, ducts and water ducts**
 • **Structural maintenance of bridges and viaducts**
 • **Structural maintenance of tunnels**
 • **Elastomeric sealing of expansion and shrinkage joints on concrete floors and screeds**

Appearance
Liquid + Liquid

General description

Two-component, thixotropic elastoplastic sealant, for joints subject to traffic: shore hardness >90; elastic deformation >70 %; to be levelled out or extruded in the suitably taped joint sections (to protect the adjacent surfaces). Resistant to contact with hydrocarbons (gasoline and diesel fuel).









Dosage

Approximately 1.25 kg of EG 91 per cubic decimetre of joint volume to be sealed (1250 kg per cubic metre).

Fields of application

Horizontal sealing of joints in industrial flooring, even in the presence of chemical attacks and stresses from average-heavy traffic. Vertical sealing of joints in concrete works and products.

Basic features

 Adhesion to the substrate: 2.5 N/mm ²	 Density: 1.25 kg/dm ³
 Flammable material	A:B Mixing ratio: 4:1 _
 Pot-life: 20 min	 Shelf-life: 12 months
 Solvent-based product	 Temperature of use: +5 / +35 °C
 Available colours Gray	

Technical specifications

<i>Breaking load longitudinal (DIN 53504):</i> 2.6 N/mm ²
<i>Complete hardening (a 20°C):</i> 7 day
<i>Dry residue (10' a 150°C):</i> 98 ±1 %
<i>Gel time (UN 8701-8 a 20°C):</i> 30 ±3.5% min
<i>Hard to touch (a 20°C):</i> 8 h
<i>Hardness (DIN 53505 - Shore D5):</i> 14 _
<i>Longitudinal elongation at break:</i> 300 %
<i>Ratio of catalysis:</i> 4:1 _
<i>Resistance to abrasion (UNI 8298/9):</i> 120 mg
<i>Viscosity (UNI 8701-3):</i> 1750000 ±5% mPas



www.azichem.com

Updated: **24/08/2020**
 General sales conditions and legal notices on
www.azichem.com/disclaimer

Tools cleansing

- UNI solvent

Applicable on

- Concrete
- Prefabricated concrete
- Metal surfaces

Substrate preparation

The application and containment surfaces (joint walls) should be clean, dry, conveniently prepared and adequately resistant: free from dust, grease, soiling, crumbling and/or non-adhering parts and dry. The application surfaces must also be preliminarily treated with PROTECH FLEX PRIMER.

Instructions for use

Add component B to component A taking care to pick up all the material contained in the packs, mix thoroughly with a mixer at a low number of revolutions, until a perfectly homogeneous mix is obtained; add the required load amount (component C) continue to mix until a perfectly homogeneous mixture is obtained, indicated by the uniform colour of the mixture. Apply the product mixed by trowelling or with extrusion guns. Do not apply with temperatures below + 5°C or higher than + 35°C and in the presence of surface stagnant water.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance.



Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.



www.azichem.com

Updated: **24/08/2020**

General sales conditions and legal notices on

www.azichem.com/disclaimer

EG 91 is produced/distributed by



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



www.azichem.com

Updated: **24/08/2020**
General sales conditions and legal
notices on
www.azichem.com/disclaimer

Page: **3/3**