



MAXJOINT® ELASTIC

ELASTIC MORTAR FOR SEALING JOINTS SUBJECT TO MOVEMENT IN CONCRETE, PREFABRICATED AND CERAMIC ELEMENTS



DESCRIPTION

MAXJOINT® ELASTIC is a two-component product. Component A is a liquid based on special synthetic resins. Component B, supplied in powder form, is a mortar based on a mixture of cements, additives and special aggregates.

When both components are mixed, an elastomeric product with high bond strength is achieved, suitable for sealing joints and cracks in concrete, pre-cast elements, mortars and bricks.

APPLICATION FIELDS

- Sealing expansion joints with an in-service joint movement up to 15%.
- Joints in permanent immersion in pipelines, water reservoirs, water treatment plants, etc.
- Joints of concrete prefabricated elements and ceramic in façades and building construction.
- Sealing of active cracks in concrete and masonry.
- Pointing mortar on substrates subject to movement.

ADVANTAGES

- Allows movement capability of joint up to 15%.
- Very high weather resistant and durability. No maintenance required.
- Excellent adhesion on damp surfaces. No bonding agent needed.
- Non-slump on vertical joints.
- Suitable for joints in permanent contact with water.
- Easy to apply and finish.
- Non-toxic and non-flammable, environmentally friendly.
- Can be painted once cured with the desired colour.

APPLICATION INSTRUCTIONS

Joint size

Joint width must not be higher than 30 mm. Sealing depth should be at least half of joint width.

Use polyethylene foam joint backing rod **MAXCEL**® (Technical Bulletin n° 48), with a diameter 25 % greater than the joint width, in order to avoid stress of the bottom on **MAXJOINT ELASTIC**®.

Substrate preparation

The surface to be sealed must be solid and clean, free of all traces of paint, efflorescence, loose particles, grease, form-stripping oils, dust, gypsum plaster, etc. Before applying **MAXJOINT ELASTIC**, dampen joint edge removing free-standing water.

Mix preparation

MAXJOINT ELASTIC is supplied as two pre-weighed components. Pour the resin, component A, into a clean container and add the powder gradually, component B, while mixing with a low speed mixing drill (400 - 600 rpm), until a homogeneous mixture free of lumps is achieved. Avoid excessive mixing

time and do not modify the proportions supplied between both components. Leave the mix to rest 2 minutes. Depending on relative humidity and temperature, pot life can vary between 30 - 60 minutes approximately. After this time, re-mix to keep its workability but do not add water.

Application

To improve the adhesion on surface, a primer of component A applied by brush on the joint edge is recommended. While the primer coat is still wet to touch, apply **MAXJOINT ELASTIC** into the joint by trowel, caulking gun or putty knife. During the application, push against the bottom and edge joint in order to avoid any remaining internal air bubble. For smoothing the surface, soaped water can be used immediately after application.

Application conditions

Do not apply **MAXJOINT ELASTIC** below 5 °C or if lower temperatures are forecast within 24 h after application. Do not apply onto frozen or frosted surfaces.

Prevent fast drying during the first hours of curing. Protect against strong wind or direct sunlight at high temperatures. Do not apply if rain is expected within 6-8 hours after application.

Curing

Curing time varies depending on temperature and relative humidity, as well on the joint size.

At 20 °C and 50 % R. H., a 10 mm width application of **MAXJOINT ELASTIC** can be coated by **MAXSEAL FLEX** (Technical Bulletin n°29), **MAXELASTIC**® (Technical Bulletin n°18) or **MAXSHEEN ELASTIC**, (Technical Bulletin n° 142) after a curing time of 7 days.

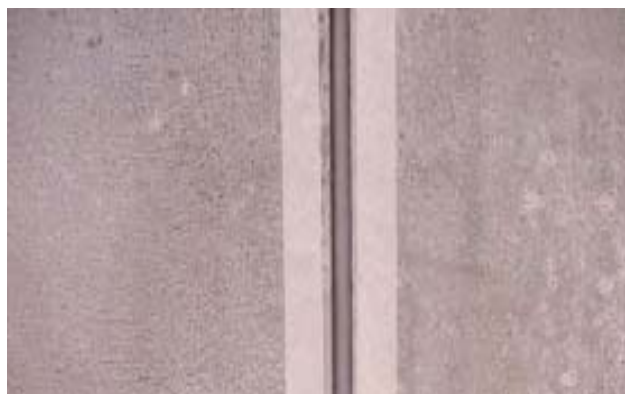
When subject to water immersion, allow a curing time for 3 weeks, in such weather conditions. If application is done below 10 °C, high relative humidity or not ventilated areas, longer curing time is required.

Cleaning.

Tools must be cleaned with water immediately after application. Once the material hardens, it can only be removed by mechanical methods.



Preparation and cleaning of joint



Placement of **MAXCEL**®

PACKAGING

MAXJOINT® ELASTIC is supplied in 10 kg pre-weighed sets (5 kg liquid component A and 5 kg powder component B). It is available in grey colour.

STORAGE

Twelve months in its original unopened sets, in a dry covered place, protected from frost, above 5 °C.

CONSUMPTION

MAXJOINT® ELASTIC fills approximately 0,790 litres with 1 kg product. The following data is an approximate guideline depending on the joint size:

Approximate Consumption		
Joint size (mm)	kg / lineal metre	Lineal metre per 10 kg set
10 x 5	0,065	153
15 x 7,5	0,140	71
20 x 10	0,250	40
25 x 12,5	0,400	25
30 x 15	0,570	17

IMPORTANT INDICATIONS

- Do not add cement, water or aggregates to **MAXJOINT® ELASTIC** to achieve higher coverage.
- Do not apply **MAXJOINT® ELASTIC** below 5 °C or if lower temperatures are forecast within 24 hours after application.
- Do not apply onto frozen and frosted surfaces.
- For further information, please consult our Technical Department.



Application of **MAXJOINT® ELASTIC**

SAFETY AND HEALTH

Component A: neither toxic nor flammable. It is not classified as dangerous material for transportation. Component B: as all cement based product, it is abrasive and protective rubber gloves and safety goggles must be used to prepare the mix and apply.

If any of the components or mixture gets in contact with eyes or skin, rinse with clean water, but do not rub. If irritation continues, consult a doctor.

There is available **MAXJOINT® ELASTIC** Safety Data Sheet by request.

Disposal of the product and its empty containers must be used according to official regulations. The proper disposal of the product is the responsibility of the user.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®** reserves the right to introduce changes without prior price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



View of the finish joint. It can be painted with the desired colour.

TECHNICAL DATA

External appearance component A	Milky white liquid
External appearance component B	Grey powder
Density component A	1,0 g/cm ³ ± 0,05
Density component B	0,9 g/cm ³ ± 0,05
Maximum aggregate size component B	0,2 mm
Mixture proportion A + B	1:1 by weight
Density fresh mixture A + B	1,26 g/cm ³ ± 0,05
Density cured mixture A + B	1,14 g/cm ³ ± 0,05
Pot life A + B	30-60 min
Optimum application temperature	5 - 30 °C
Joint unhitching	None
In-service joint movement	15 %
Shore A Hardness ISO 868	37
Elastic modulus 60% EN 28339	0,38 MPa
Tensile strength EN 28339	0,38 MPa
Elongation at break EN 28339	60 %
Elastic recovery EN 27-389	78 %



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