



# 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, as a mortar based mixture of cements, additives and special aggregates. When both components are mixed, an elastic product with high bond strength is achieved, suitable for sealing joints and cracks in concrete, pre-cast elements, mortars, bricks or **other porous surfaces**.

## 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 all porous substrates subject to movement.

## ADVANTAGES

- **Excellent adhesion on damp surfaces. Will bond totally to green/wet concrete No bonding agent needed.**
- Allows movement capability of joint up to 15%.
- Very high weather resistant and durability. No maintenance required.
- Non-slump on vertical joints.
- Suitable for joints in permanent contact with water. Positive and negative
- Easy to apply and finish.
- Non-toxic, non-flammable, environmentally friendly.
- Can be painted once cured with the desired colour. Or coated over using **Maxseal Flex**
- **Can withstand negative/positive pressure**

## APPLICATION INSTRUCTIONS

### Joint size

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

Use polyethylene foam joint backing rod or **MAXCEL** with a diameter 25% greater than the joint width, in order to avoid stress of the bottom of **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 surface adhesion, a primer of Component A- applied by brush to 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. Apply against the bottom edge of 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 hours 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 nº29) 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 unventilated areas, longer curing time is required.

### Cleaning.

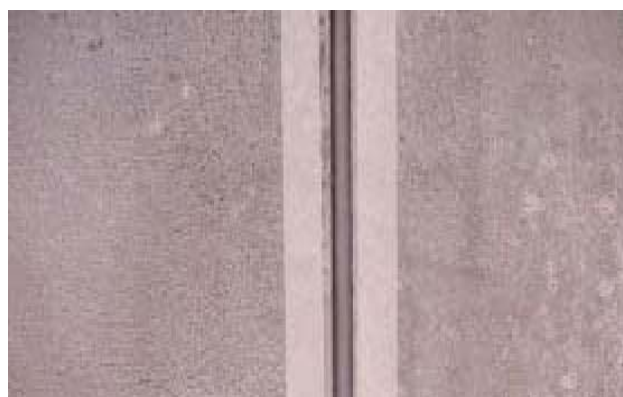
Tools must be cleaned with water immediately after application. Once the material hardens, it can only be removed by mechanical methods.

### PACKAGING

**MAXJOINT ELASTIC** is supplied in 10kg pre-weighed sets (5kg liquid component A and 5kg powder component B). It is available in standard grey colour. Other colours are available on request.



Preparation and cleaning of joint



Placement of **MAXCEL** or backing rod

# MAXJOINT® ELASTIC

## 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 WARNINGS

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.**

## SAFETY AND HEALTH

Component A: NON toxic, NON flammable. It is not classified as dangerous material for transportation.



Application of **MAXJOINT ELASTIC**

Component B: as all cement based product, is an abrasive and protective rubber gloves and safety goggles must be used when preparing the mix and during application.

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.

A Material Safety Data Sheet is available for **MAXJOINT ELASTIC** on request or is downloadable from website.

Disposal of the product and its empty containers must be 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 advice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorized 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 will be the clients responsibility. We shall not accept responsibility exceeding the value of the purchased product

For any other issues, consult our Technical Department.



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

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## TECHNICAL DATA

External appearance component A	Milky white liquid
External appearance component B	Grey powder
Density component A	1,0 g/cm <sup>3</sup> ± 0,05
Density component B	0,9 g/cm <sup>3</sup> ± 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 <sup>3</sup> ± 0,05
Density cured mixture A + B	1,14 g/cm <sup>3</sup> ± 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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