



# MAXJOINT® FLEX

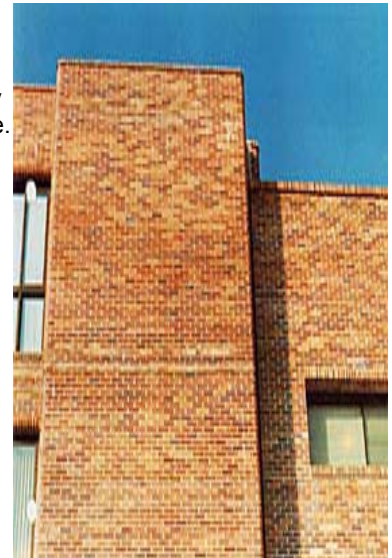
## HIGH PERFORMANCE FLEXIBLE WATERPROOF MORTAR FOR SEALING AND RESTORATING BRICK, CERAMICS AND CONCRETE JOINTS - WATERPROOF POINTING MORTAR FOR NON-RIGID SUBSTRATES

### Description

**MAXJOINT FLEX** is a cement based single-component product that contains pure silica, synthetic aggregates, and inorganic pigments. It's excellent adherence and high flexibility make **MAXJOINT FLEX** perfect for sealing and pointing masonry, ceramics and concrete.

### Advantages

- Excellent adhesion and bond strength on every surface.
- Joints treated will be waterproof.
- Can be applied to both vertical and horizontal surfaces.
- Freeze resistant. (Resistant to freeze-thaw cycles.)
- Non-shrink hardening, hardens without stress.
- High durability and no ongoing maintenance.
- Suitable for use on surfaces that are subject to constant water pressure, waterproofs the joint from rain water
- Suitable for permanent immersion.
- Mix with water only.
- Suitable for pointing all type of ceramic tile (glazed or unglazed), marble, porcelain mosaic, etc.
- Excellent colour stability.
- Available in several colours on request.



### Application fields

- It points joints in brick, stone, concrete block, and all types of masonry.
- Pointing of tiles over substrates subject to movements such as facades, terraces, wood, floor heating systems, outdoor pavements, etc.
- Combined with **MAXSEAL FLEX** or **MAXKOLA FLEX** providing a flexible system in swimming pools, water reservoirs, etc.
- Applications exposed to a wide range of temperature or relative humidity.

### Application Instructions

#### Surface preparation.

Remove all excess of bonding mortar in the joints. Allow 24 – 48 hours of curing for bonding mortars before apply **MAXJOINT FLEX**. Clean all joints with water-pressure. All expansion joint must be treated with a suitable MAXFLEX sealant. Prior to application dampen the surface but do not leave any puddle of water in the joint.

#### Mixing

**MAXJOINT FLEX** is mixed with clean water to a lump-free thick consistency mortar either manually or mechanically by a low speed drill (400 – 600 rpm). Allow the mix to rest for 4 – 5 minutes and re-mix briefly. Prepare the quantity of **MAXJOINT FLEX** that can be applied in one hour. After 30 minutes, can be mixed again the mixture in order to keep the workability of the mortar but do not add more water.

#### Application

Use a trowel or rubber float to spread and pressed into the joints until they are completely full. Also can be applied by caulking gun for faster placement. Before the initial setting-time of **MAXJOINT FLEX**, use a tuck-pointing trowel in order to get a smooth finish of the surface.

When using **MAXJOINT FLEX** on a tiled surface ensure that tile spacers are used. Flush all joints with clean water or compressed air to remove all loose materials and dust. Do not apply to surfaces with freestanding water. Do not apply **MAXJOINT FLEX** within 24-48 hours of having laid the tiles.

**MAXJOINT FLEX** should be mixed with clean water to a normal mortar consistency. This can be done either by hand or mechanically with a low speed drill (400-600 rpm) with mixer attachment.

Allow mixture to rest for 4-5 minutes and mix again briefly for several seconds. Be sure that only enough mixture is prepared that can be applied within an hour.

Before application dampen all surfaces to be treated. When applying to surfaces with non-porous tiles a rubber sponge can be used to apply the product and push it into the joints. For ceramics or porous bricks a cartridge gun can be used to reduce the risk of staining the tiles or bricks.

When mortar begins to harden, use a tuck-pointing trowel to push mortar into the joint and get a smooth finish. Remove any excess product before it hardens. Clean surfaces and edges with a wet sponge.

#### Caution

Do not apply to frozen or frosted substrates or in areas where the forecast is for temperatures below 5 degrees within 24 hours of application.

Do not apply in temperatures above 35 degrees.

Protect from strong wind and sun within the first few hours of application.

For underwater areas allow a minimum of 7 days curing.

Expansion joints must be treated with MAXFLEX range of products .

#### Coverage

One kilogram of **MAXJOINT FLEX** fills approximately 0.6 litres. A channel 10mm and 10mm requires 2kg/m<sup>2</sup> for a surface tiled with 200 x 200mm ceramic tiles.]

#### Cleaning

Clean with a wet sponge or cloth while mortar is still fresh to remove any excess mortar from the joint or face of the tile.

All tools and equipments can be clean with water immediately after application. Once **MAXJOINT FLEX** hardens can only be removed by mechanical means.

#### Application conditions.

Do not apply **MAXJOINT FLEX** below 5 °C or if lower temperature is expected within the 24 hours after application. Do not apply on frozen surfaces.

Applications above 35 °C should be avoided.

#### Curing conditions .

Protect the first hours of curing from drying too quickly by wind or sunlight with high temperatures, i.e. covering with plastic sheet.

Allow to cure 7 days at 20 °C and 50 % R.H. for permanent water immersion.

Lower temperatures and higher R.H. increase the curing time.

#### Consumption

One kilogram of **MAXJOINT FLEX** fills approximately 0,6 litres. A 10 mm wide and 10 mm depth joint requires 2 kg/m<sup>2</sup> for a surface with 200 x 200 mm ceramic tiles.

#### Packaging

**MAXJOINT FLEX** is packaged in 25 kg. bags.

#### Types

Depending on the joint width there are two types of **MAXJOINT FLEX**. For areas up to 4mm there is **MAXJOINT FLEX 0-4** and for joints from 4 -20mm in width there is **MAXJOINT FLEX 4-20**.

**MAXJOINT FLEX POOL** is also available. This product has high microbiologic resistance against algae and fungus. It is suitable for areas that are prone to the growth of algae and fungus such as swimming pools, water treatment plants etc.

#### Storage

Twelve months in its original unopened packaging, in a dry and covered place, protected from frost and with temperatures above 5 °C

### Technical Data

	Type 0-4	Type 4-20
Mixing water (% weight / weight prod.)	26 +/- 2	21 +/- 2
Maximum aggregate size (mm)	0.32	0.7
Apparent density of powder (kg / m3)	1.18	1.27
Density of the cured mortar (kg / m3)	1.67	1.57
Resistance to freeze - thaw cycles	Very good	Very good
Capillarity (gr/dm2 min 1/2)	0.5	1
Setting time at 22 C (hours)	4 - 5	6 - 8
Passable	Approx. 24 hours	

### Safety and health

**MAXJOINT FLEX** is non-toxic but as all cementitious products it is abrasive. Protective rubber gloves and safety goggles must be used to prepare and apply the mixture. In case of skin contact clean with soap and clean water. If any of the mixture gets in contact with the eyes, rinse thoroughly with clean water, but do not rub. If irritation continues, consult a doctor.

For further information Safety Data Sheet of **MAXJOINT FLEX** is available by request.

Disposal of the product and its empty containers must be made according to official regulations by the final user.

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