



# MAXJOINT®



## WATERPROOF CEMENT-BASED POINTING MORTAR FOR JOINTS IN BRICK, CERAMIC, STONE AND PAVEMENTS

### DESCRIPTION

**MAXJOINT®** is a cement-based mortar made with pure silica and selected aggregates. It repoints the joints in brick, ceramic, stone, terracotta and tiles, on walls and pavements. There are two types depending on joint width. For small joints up to 4 mm width, **MAXJOINT® 0 - 4**. For bigger joints from 4 to 20 mm width, **MAXJOINT® 4 - 20**.

### APPLICATION FIELDS

- Pointing mortar for all kind of ceramic tile in vertical and horizontal surfaces.
- Restoration of damaged joints in bricks.
- Pointing of joints in different masonry substrates.

### ADVANTAGES

- Shrinkage-compensated and with good adhesion on substrate.
- High structural strength.
- Waterproof against rainwater.
- Available in different colours on special request.
- High durability with no maintenance.
- No contains metallic or corrosive particles.
- Excellent colour stability.

### APPLICATION INSTRUCTIONS

#### Surface preparation

Remove any unsound edge joint, damaged mortars, deteriorated brick or tile, and excess bonding mortar. Joint must be completely clean, free of any loose particle, dust, grease, foreign materials, etc. Clean joints with water pressure or other mechanical method. Allow a minimum curing of 24 – 48 hours for

bonding mortars before applying **MAXJOINT®**. Prior to application dampen the surface but do not leave any puddle of water in the joint.

#### Mixing

Place  $\frac{3}{4}$  parts of the mixing water required to mix **MAXJOINT®** in a clean container, and add **MAXJOINT®** gradually while mixing mechanically with a low speed drill (400-600 rpm) for 2 to 3 minutes until achieve a homogeneous paste. Then, pour the rest of the water and continue mixing 1 to 2 minutes to obtain a homogeneous mortar free of lumps and workable consistency. If mixed by hand, increase the mixing-time until all lumps disappear. Only prepare sufficient quantity of **MAXJOINT®** that can be applied in 30 minutes.

#### Application

For non-porous joints use a trowel or rubber float to spread and press the pointing mortar into joints or gaps until they are completely full. On porous joints, **MAXJOINT®** can be applied by caulking gun for faster placing and better cleaning. To get a smooth finish use a tuck-pointing trowel after the initial setting-time of **MAXJOINT®** in order to press the material into the joint or gap.

#### Application and curing conditions

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

At hot temperatures (> 25 °C) with wind and/or direct sunlight during the first hours of curing, cover with plastic sheets to avoid a quick drying. Applications above 35 °C should be avoided.

#### Cleaning

Clean joints with a wet sponge or cloth while mortar is still fresh. Tools and equipments can be cleaned with water immediately after

use. Once **MAXJOINT**<sup>®</sup> hardens, it can only be removed by mechanical means.

## CONSUMPTION

One kilogram of **MAXJOINT**<sup>®</sup> fills approximately 0,6 litres. A 10 mm width and 10 mm deep joint, needs 1 kg/m<sup>2</sup> for a surface covered with 20x20 cm ceramic tiles.

## PACKAGING

**MAXJOINT** is supplied in 5 kg can and 25 kg bag. Both types **MAXJOINT**<sup>®</sup> **0 – 4** and **MAXJOINT**<sup>®</sup> **4 – 20**, are available in 10 different colours: white, grey, black, cream, blue, jade, brown, beige, terracotta and salmon.

Also available the types **MAXJOINT**<sup>®</sup> **0 – 4 POOL** and **MAXJOINT**<sup>®</sup> **4 – 20 POOL**, an advanced pointing mortar with high microbiological resistance against the growth of algae and fungi on its surface. It is suitable for use in those environmental conditions favourable to bacterial reproduction such as

swimming-pools, wastewater treatment plants, aquariums, hospitals, schools, laboratories, industries, etc.

## STORAGE

Eighteen months in its original unopened packaging, in a dry covered place protected from humidity and freezing, at temperatures above 5 °C.

## SAFETY AND HEALTH

**MAXJOINT**<sup>®</sup> is non-toxic but it is an abrasive product. 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. In case of eye contact, rinse thoroughly with clean water, but do not rub. If irritation persists, seek medical attention. Safety Data Sheet of **MAXJOINT**<sup>®</sup> is available by request.

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

## TECHNICAL DATA

Characteristic of the product	0 – 4 TYPE	4 – 20 TYPE
Appearance	Powder	
Maximum size aggregate (mm), EN 1015-1	< 0,3	< 0,7
<b>Condition of application and curing</b>		
Mixing water (% peso / peso prod.)	26 ± 2	21± 2
Setting-time at 20 °C (hours)	6 - 8	
Curing for pedestrian traffic at 20 °C (hours)	24 aprox.	
<b>Characteristics of cured product</b>		
<b>MAXJOINT®</b> meets specifications of CE mark according to EN 998-2 <i>Designed Masonry Mortar</i> and it is classified as a <i>Thin Layer Masonry Mortar</i> (T).		
Density of the cured mortar (g/cm <sup>3</sup> ), EN 1015-10	1,75 ± 0,05	1,85 ± 0,05
Chloride content (%), EN 1015-17	< 0,01	
Water vapour permeability (μ), EN 1745	15/35	15/35
Water absorption by capillarity (kg/ m <sup>2</sup> min 0,5), EN 1015-18	< 0,2	< 0,1
Compressive strength (MPa), EN 1015-11	> 25 (Md type)	> 15 (M15 type)
Flexural strength (MPa), EN 1015-11	> 7	> 4
Classification reaction to fire.	A1	

## GUARANTEE

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ISO 9001  
ISO 14001

BUREAU VERITAS  
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n° 6003176 / 6003176-MA

