

JOINT & FIX CRISTAL

Functionality

Single-component MS polymer-based sealing and gluing mastic, cross-linking on contact with atmospheric moisture and with unbeatable transparency it combines aesthetics, performance and versatility. Solvent-free.

- For bonding and sealing on most surfaces, even damp ones.
- 100% invisible elastic seals around sanitary appliances: basins, shower trays and cubicles, baths, sinks, bathroom furniture, marble (*) or granite (*) work surfaces. [(*) As the quality of these 2 materials varies, we recommend carrying out a test first].
- Bonding of heavy elements (baths, sinks, shower trays, shower walls, etc.) and decorative elements (mirrors, shelves, towel rails, skirting boards, mouldings, etc.).
- Crystal effect : unrivalled transparency, it blends perfectly with all surfaces and can be used for creative hobbies.

Labels and Accreditation

CE Marking: DOP n° 17910101-3

- **Mastic used for facade elements : EN 15651-1 F-EXT-INT**
- **Mastic for sanitary joints : EN 15651-3 S**

Technical characteristics

Characteristics	Specifications
Colour	Transparent
Appearance	Thixotropic paste (does not run)
Type of sealant	Neutral MS polymer-based elastomer mastic-glue
Odour	None
Skin formation time	10 - 15 min
Curing time	3 mm in the first 24 hours
Application temperature	+5 °C to +50 °C
<u>On cross-linked seal:</u>	
Shore A hardness	25
Modulus of elasticity at 100%	0.9 MPa
Elongation at break	250%
Load resistance ¹	16 kg/cm ²
Temperature stability	-40 °C to +90 °C
Resistance	Good ageing, weather and UV resistance

Bond	Excellent adhesion on all standard porous or non-porous surfaces, even when damp (enamel, acrylic materials, sandstone, steel, stainless steel, electro-galvanised steel, raw and anodised aluminium, concrete, wood, glass, PVC, polycarbonate, painted surfaces except for bitumen PE, PP and PTFE)
Paintability	Yes, with acrylic paint Comment: - On a seal subject to considerable movement, the paint can only crack off through lack of sufficient elasticity - It is advisable to paint over the wet joint or within 2 hours of application. Beyond this time, application problems may arise with certain paints.

¹ maximum value observed on a bond with anodised aluminium on anodised aluminium or wood on wood subjected to shear stress.

All of this data is measured at 23 °C and 55% relative humidity. Depending on the cross-linking conditions, these times may therefore vary.

Use

Preparation

- The surfaces must be clean and free of grease (using alcohol or acetone for example, depending on the surface).

Instructions for use

Sealing procedure :

- Sizing joints :

Width in mm	5/6	7/9	10/12	12/15
Depth in mm	5	6	7	8

- For joints wider than 16mm, it is generally recommended that the depth of the joint should not exceed half its width. For joints that are too deep, limit the depth using cellular foam.
- For bathtubs joints that are subject to movement, avoid joints that are too small, as the elongation of the sealant is proportional to its thickness.
- Cut the end of the nozzle to a diameter slightly smaller than that of the joint.
- Apply pressure to the surface of the bead to ensure maximum contact between the sealant and the lips of the joint.
- Smooth within 10 minutes of application.
- Wait 2 to 3 hours before using sanitary appliances and 24 hours before spraying direct water.

Bonding procedure :

- For plastic surfaces, it is best to remove any "shine" from the surface to be bonded using gentle abrasion (sandpaper 120 or fine steel wool).
- Apply the product in a spaced out straight beads, in a zigzag pattern or in dots, covering the whole surface to be bonded, making sure that it is not too thick. On flat surfaces, beads of 2 mm diameter are adequate (nozzle not cut off).
- Position the object to be fixed by pressing firmly.
- Maintain the bond for approximately 1 minute (example of elements: wooden 3-holder peg, PVC soap dish, wooden glass holder, 120x120 mm² tiling). Wait at least 12 hours before using the bonded item.
- For heavy objects, support and wait at least 24 hours (time to be adjusted according to the weight of the item being bonded).

Consumption

Depending on the joint dimensions and application, a cartridge of 280 ml covers approximately a joint length of (expressed in metres):

Depth in mm	Width in mm					
	6	8	10	12	14	16
5	9.3	7.0	5.6	4.6	4.0	3.5
6	-	5.8	4.6	3.8	3.3	2.9
7	-	-	4.0	3.3	2.8	2.5
8	-	-	-	-	2.5	2.1

Material cleaning

Excess fresh putty can be removed with white spirit, ethanol or acetone.

Safety precautions

The Material Safety Data Sheet is available on the Internet on www.quickfds.com or on www.geb.fr.

If the product is subject to detergent regulation : Component list available on request at reach@geb.fr

If the product is subject to biocide regulation or if it contains a biocide to protect it : Consult the Material Safety Data Sheet - Please use the products responsibly.

Tip

To make a joint, first mark out its location with adhesive tape, which should be removed immediately after smoothing.

Comments

For use on natural stone (marble, granite, etc.), we recommend that you carry out a test on a concealed area first.

Non-corrosive to metals.

Temporary application of household cleaning products (Javel water or descaler for example) to the mastic may result in slight opacification, which will disappear after ½ hour of drying.

Storage

Store at a temperature between -5°C and +30°C.

The expiry date on packaging is for unopened product stored at 20°C in normal hygrometry conditions.

Packaging and waste sorting

Refer to the information on the product and to the applicable local regulations.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check on <http://www.geb.fr> that you have the latest version before use.