

# PRB MASS MS

HYBRID SEALANT & ADHESIVE



## The of PRB MASS MS

-  Dividing and expansion joints
-  Gluing
-  Sealing joints
-  Technical joints: suitable for damp floors and other damp surfaces (utility areas, facades, terraces, etc.)
-  UV stable

Shore A hardness: 55



## APPLICATIONS

- Indoor and outdoor floors and walls, swimming pools and ponds.
- Dividing and expansion joints in floors – P2 to P4S.
- Edge joints and sealing joints for terraces, facades, communal kitchens and utility rooms.
- Can be used with Membrane, Cel, Matte, Planiphone systems
- Waterproof joints for siphons and gutters.
- Gluing and waterproof finishing joints for buildings, cold-storage rooms, tanks, etc.
- Facade work in regions with lowland, mountain and tropical climates.
- Gluing and joints for Stylprofil mouldings.
- Always respect the French DTU Standards, Technical specifications, applicable trade rules and installation instructions for materials to be glued and grouted.

PRB MASS MS is used by professionals in:

- Masonry and tiling.
- Painting and decorating.
- Structural work.
- Roofing, tiling/slating and zinc work.
- Windows, doors and glasswork.
- Electricity and air conditioning.
- Plumbing and sanitary installations.
- Swimming pools and landscaping.

### Sealing joints and technical joints

- Can be used in conjunction with soundproofing and waterproofing systems under tiled surfaces.
- Dividing joints  $\geq 5$  mm.
- Expansion joints up to 20 mm.
- Edge joints.
- Connecting joints for siphons and gutters.
- Finishing work between tiled surfaces and sanitary facilities (baths, showers, washbasins etc.), as well as worktops.

### Renovation, painting & restoration work

- Sealing cracks.

### Swimming pools

- Suitable for use with chlorinated water, salt water and spa waters.

PRB MASS MS can be painted once hardened and is very resistant to mould and mildew.

### PACKAGING

- Each box contains 24 plastic tubes - 290 ml each.

**STORAGE LIFE:** 12 months.

### CONSUMPTION/USE

The amount required depends on how much sealant is to be applied and its used (filling/sealing/gluing).

As a rough guide, one 290 ml tube is enough for:

- **Gluing:** Varies depending on the application.  
Example: 1 tube for 8 to 11 linear metres for a 5 x 5 mm gluing bead
- Sealing/finishing joint

	Joint cross-section in mm					
Width	5	5	8	10	15	20
Depth	5	10	6	7	8	9
Linear meters per tube	11	5.5	6.3	4.3	2.3	1.7

**COLOURS:** Gray and white.



### CAN BE APPLIED TO:

PRB MASS MS can be used for gluing, joining, sealing and caulking the following materials:

### Building and surfacing materials

- Concrete, wood, ceramic, brick, terracotta, marble, granite and natural stone.

### Doors, windows, gutters and metalwork

- PVC, glass, zinc, aluminium, lacquered sheet metal\* (gluing gutters and gutter joints etc.)

\* we recommend carrying out a test to check that it will not damage the paint.

### Gluing insulation panels

- Extruded and expanded polystyrene, polyurethane, polycarbonate, etc.

### Swimming pools

- Suitable for use with Polyester, PVC and stainless steel.

### LIMITS OF USE

Please carry out additional studies and contact us for:

- use in manufacturing processes,
- applications involving contact with food,
- industrial or similar premises with heavy, intense levels of circulation, high abrasion or high chemical exposure.

For tanks with an electro-physical maintenance process (using copper/silver electrodes), this system may produce a blackish-coloured residue when in use.

### CONDITIONS FOR APPLICATION

- Between 5°C and 40°C.

## TECHNICAL CHARACTERISTICS

### PRODUCT

- Type: Hybrid Polymer

### Physical properties prior to hardening

- Consistency: Thixotropic paste
- Density: 1.50 g/cm<sup>3</sup>
- Tack free time: 10 mins
- Skin formation: 25 mins
- Temperature resistance: - 30°C to + 80°C

### Mechanical properties (tested on aluminium)

- Shore A hardness: 55 (ISO 868)
- Module: 1.45 MPa (DIN 53504)
- Rupture strength: 1.95 MPa (DIN 53504)
- Elongation at rupture: 240 % (DIN 53504)
- Expansion joint movement: moderate <10 % (without vibration and without compression)
- Elastic recovery: > 70 %
- Maintained traction: Correct (ISO 8340)
- Adhesion - cohesion at different temperatures: Correct (ISO 9047)
- UV resistance: Good.

### UTILISATION

- Gluing: 1 to 5 mm
- Joint sizes: 4 to 20 mm\*.
- \* 5 mm min. for technical joints
- Maximum thickness: 15 mm
- Smoothing time (23°C, 50% RH): 10 to 15 mins
- Skin formation: 25 mins
- Dry to the touch/rain resistant: 2 hrs
- Completely dry: 4 mm/24 hrs
- Time before it can be immersed in water: approx. 48hrs

**NB:** These values are estimates based on laboratory tests. The application conditions can significantly change these values.

## UTILISATION

PRB MASS MS can be used without a primer

### PREPARING THE SURFACE

- The surface must be hard, clean and free of dust, grease or any other substance that may interfere with the sealant's performance. It can be applied on a dry or damp surface (but not sweating).
- Clean and degrease the surface.
- When applying to porous surfaces, brush with a wire brush and then remove any dust by brushing and vacuuming.
- When applying to non-standard surfaces, we recommend that you carry out a test to check the level of adhesion and determine whether you need to use a primer.

### APPLICATION

- Please respect the French DTU Standards and applicable trade rules.
- Can be applied using a manual or pneumatic applicator gun.

#### Gluing

- Apply **PRB MASS MS** in a 2 to 5 mm continuous layer or in beads. Then press firmly on the material to be glued, ensuring that the adhesive is evenly distributed with no gaps or air bubbles.
- For gluing to walls: provides instant hold for light materials; for heavy materials (max. 40 kg/m<sup>2</sup>), you should hold the material in place until the sealant has set.

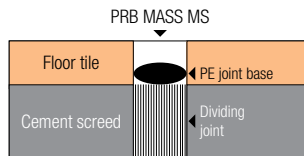
#### Sealing, dividing and expansion joints:

- Use adhesive tape to mark out and protect both sides of the joint. This makes it easier to make the joint, to smooth it out and to give it its final appearance.

- A joint should only be applied between 2 surfaces.

To guarantee a flexible joint, it is important to use a polyethylene joint base that is suitable for the cross-section of the joint to be made.

Maximum elasticity is obtained when the sealant's thickness is less than half the width of the joint - Example: 10 mm thick x 20 mm wide.



A square section of 5 x 5 mm is allowed.

- Fill the joint or crack to be filled with **PRB MASS MS** by consistently applying a bead of sealant.
  - The sealant should be applied in such a way that the joint is completely filled (caulking).
  - You can smooth the sealant 0 to 10 minutes after application, using a moistened tool or finger\*, before the surface skin forms.
  - Clean fresh/wet sealant with water (excess sealant, smudges etc.). Clean dry sealant with a scraper.
  - Allow the sealant to dry for 48hrs before painting the joint\*\*.
- \*\*test beforehand.

#### Expansion joint:

- Clean the joint edges with a brush, making sure not to leave any dust.
- For L-shaped angles with a honeycomb base and chemical dowel fixing: consult the manufacturer.
- Insert a joint base to limit the thickness of the sealant.
- Apply **PRB MASS MS**. For joints larger than 15 mm, we recommend that you fill the joint gradually, in two or three layers.
- Please contact us for widths larger than 20 mm.

#### Renovating existing joints:

- If a joint has been damaged (general wear and tear, chemical or mechanical damage, water ingress, etc.), simply remove it with a scraper. Then, after checking and preparing the surface, and provided that your PRB sealant is suitable for use on this surface, fill the joint as if it were new.

### PRECAUTIONS FOR USE

- \* Please read the safety data sheet before use.
- Avoid contact with eyes and skin. In case of contact, wash immediately with plenty of water and seek medical attention if necessary.
- For delicate materials (marble, stone, granite, etc.), carry out a test before use.
- For harsh environments, please contact us before use.
- Keep out of reach of children.
- Annual inspection: for edging, dividing, expansion, and sealing joints, the client is required to carry out the appropriate inspections and maintenance.