

sylastic Premium



Sylastic Premium is a cement-based waterproofer with excellent bonding and deformability features, specially recommended for waterproofing outdoors. Compatible with type C2 cement-based adhesive as per EN 12004. Indoor and outdoor use.

Prevents the need of screed between waterproofing sheet and ceramic floor, thus reducing the final system thickness. It is applied in two 2 mm layers each, with a fiberglass mesh reinforcement on the first application. Special pieces and bands available for waterproofing joints and other critical spots.

Recommended use

- Waterproofing of bathrooms and showers, Spas and premises in permanently damp environments.
- Outdoor terraces and balconies.
- Pools and premises into direct contact with water.
- Basements, elevator shafts or tunnels even below the water table.
- Cisterns and reservoirs into direct contact with water.

Materials

- Absorbent and non-absorbent ceramic tiles. Porcelain tiles with a water absorption < 0.5% as per EN-ISO 10545-3.
- Glass mosaic.
- Natural stone and marble not prone to staining.

Substrates

- Cement covered floors and walls.
- Concrete slabs.
- Existing wall and floor tiles.
- Plasterboards.

On absorbent substrates, moisten the substrate with water before applying **Sylastic Premium**.

On substrates that are cracked or potentially subject to slight movements, reinforce the second layer of **Sylastic Premium** with a fiberglass mesh.

Do not apply on plaster supports.

Features

- Single component waterproofing mortar.
- Waterproofing both for positive and negative hydrostatic pressure.
- Indoor and outdoor waterproofer.
- Maximum waterproofing with minimal thickness (2 mm)
- It allows for direct laying of ceramic tiles with cement-based adhesive.
- Excellent adherence and maximum deformability.
- Permeable to water vapor, prevents moisture condensation.
- Suitable for direct contact with water.
- Mixing water: 3.6 liters per 15 kg bag.

Instructions for use

Preparing the substrate.

The substrate must be dimensionally stable and non-deformable, with no risk of cracking or shrinkage due to mortar setting. Cement-based substrates must have the following characteristics:

- Free of dust, grease, release agents or any other substance that may hinder the adhesion of the waterproofing. Cleaning with pressurized water or sandblasting is recommended.
- Slightly damp.
- Compact and free of cracks, fully set.
- Rough texture and efflorescence-free.
- Frost-free, not frozen.

If any of the aforementioned defects are present, they must be fully rectified before starting waterproofing.

Outdoor flooring should be sloped to ensure proper water drainage.

Preparing the mortar.

Use clean tools and containers.

Mix with clean water in DIFFERENT proportions, DEPENDING ON THE CONDITION OF THE SUBSTRATE:

- Even substrates: 24% water: 3.6 liters per 15 kg bag.
- Uneven substrates: 18% water: 2.7 liters per 15 kg bag.

Mix with an electric mixer at a low speed (500 rpm) until the mix is smooth, uniform and lump-free.

Applying the mortar.

Check that the application conditions are suitable for applying **Sylastic Premium**:

- Ambient temperature between +5°C and +35°C. When the ambient temperature is very high, spray the surface with water occasionally to help the mortar to set.
- Substrate protected from direct sunlight.
- No frost during the waterproofing setting time. Protect from rain and frost for at least 24 h.

Dampen the substrate without soaking it before applying the waterproofing mortar.

Depending on the coat thickness of the **Sylastic Premium**, use brushes, rollers or flat trowels.

Always apply the first coat in the same direction without spreading the material excessively and make sure that the whole substrate is covered by the waterproofing. At least 2 kg/m² of **Sylastic Premium** must be used.

Specific cases:

- On uneven substrates, apply the first coat with a mortar-like consistency, by mixing **Sylastic Premium** with 18% water.
- On substrates that undergo small movements or where there is a risk of small cracks forming, place a fiberglass mesh that is suitable for the thickness applied on the first coat of waterproofing while it is still fresh. Press down the mesh with a trowel until it becomes embedded in the coat of material and make sure that there are no mesh cells that are not filled with **Sylastic Premium**. For applications where it is necessary to waterproof a surface that is larger than the width of a fiberglass mesh, overlap two sheets by at least 5 cm and cover them with **Sylastic Premium**.

Leave to dry for 6 hours

Apply a second coat crosswise to the first one. At least 1 kg/m² of **Sylastic Premium** must be used. Make sure that the minimum thickness of the waterproofing is at least 2 mm at every point of application and protect from direct sunlight and protect any surfaces that may be stepped on.

Wait for at least 24 hours before installing ceramic tiles and at least 4 days before allowing any contact with water. When used for drinking water, wash daily with pressurized water for the 4 days prior to entry into service.

For all joints between vertical elements, we recommend using the **Butech waterproof sheet** to seal the joints between surfaces. There are special pieces to reinforce the waterproofing of corners, which are highly recommended for shower trays. In these cases, it should be applied as follows:

- Apply the first coat of **Sylastic Premium**.
- While the coat is still fresh, apply the **waterproof strip** or special pieces.
- Allow the waterproofing to dry and protect it from being stepped on or any other action that may damage the waterproofing. Wait for 6 hours under normal conditions.
- Apply a second coat of **Sylastic Premium**.

Do not coat surfaces with movement joints with **Sylastic Premium**. Apply on both sides with waterproofing and cover the joint with an elastic waterproof sheet such as the **Butech waterproof sheet**.

Cleaning and maintenance

Clean off any remaining **Sylastic Premium** before it hardens. Once the installation is done, clean the tool with plenty of water.

Coverage

First coat:	> 2 kg / m ²
Second coat	> 1 kg / m ²
Total waterproofing	> 3 kg / m ²

Coverage per millimeter of thickness of Sylastic Premium :	1.5 kg / m ²
Minimum total thickness of Sylastic Premium :	2 mm

Preservation

Dry mortar.

12 months in its original package and protected from moisture and the elements. Store in a dry location, covered and protected from direct sunlight.

Health and safety

Dry mortar contains hydraulic binders that in contact with sweat or other body fluids can produce an alkaline reaction, slightly irritating. Safety data sheets available to the professional user who requests it.

Technical Sheet Conditions

- This data sheet does not describe a finished product; it is a waterproofing material which, together with other products and materials, determines a ceramic tiles lying system. Instructions in this technical sheet have been written based on our experience and technical expertise, but they have to be considered as general recommendations, which together with those for the rest of the products in the system, help the tile-laying professionals in the performance of their job.
- As it is not possible to know all the features and conditions of a building job, professionals must consider it and, if deemed appropriate, perform a previous test to confirm whether the product is suitable for the job.
- The technical sheet cannot reflect all the applications and conditions entailed in the use of a material, so, in situations not described in this sheet, we recommend to perform a previous test and refer to our technical department.

This sheet has been updated in February, 2024.

Technical data

Compliant with EN 14891	CM 01 P
Bulk density of powder	1.50 ± 0.10 g/cm ³
Reaction to fire	NPD
Product applied with brush	
Mixing water	24 ± 1%
Application temperature	+5°C to +35°C
Pot life of the mixture	20 minutes
Product applied with trowel	
Mixing water	18 ± 1%
Watertightness	no water penetration
Crack bridging	≥ 0.75 mm
Adhesion after soaking in lime water	≥ 0.5 N/mm ²
Adhesion after soaking in chlorinated water	≥ 0.5 N/mm ²
Effect on water potability	None

References

SAP	Product description	Packaging	Palletising
100316193	sylastic Premium	15 kg bag	42 bags / palet
100288372	4x5 mm fiberglass mesh	50 m ² reel	
100006210	outer angle	Unit	
100006211	inner angle	Unit	
100081532	5 ml waterproof band	5 m roll	
100081531	10 ml waterproof band	10 m roll	
100006221	50 ml waterproof band	50 m roll	