

# PUSEAL 110

## Elastomeric, Tough Waterproofing Polyurethane Membrane

### Description

**PUSEAL 110** is a two-component solvent free polyurethane waterproofing coating. It has high characteristics of impermeability, elasticity, crack bridging and resistance against abrasion and chemicals.

**PUSEAL 110** is suitable for use in traffic coatings, roofing systems and wet areas. It provides crack bridging and waterproofing properties.

### Features & Benefits

- Excellent elasticity
- Tough membrane
- High Tensile Strength
- Excellent Crack Bridging
- High abrasion and impact resistant
- High workability
- Excellent durability
- Easy to Repair, just needs over coating

### Uses

**PUSEAL 110** is suitable to use as colored waterproofing membrane on:

- As water proofing membrane over concrete, ceramic, marble, cement boards and metal surfaces
- Intermediate layer car parking system and mechanical rooms floors
- Wet areas, balconies, terraces, roofs...etc.
- All areas requiring waterproofing with elastic and abrasion resistance membrane
- Waterproofing layer in docking areas and bays.

### Technical Properties

Appearance	Viscous liquid membrane
Color	Light Grey/ Grey & Off White
Mix Density	1,450 Kg/m <sup>3</sup> approx.
Pot Life	45 minutes
Solid content	100%
Elongation	100%
Tensile strength	6 N/mm <sup>2</sup>

Adhesion to concrete	>1.5 N/mm <sup>2</sup>
Shore A hardness	60
Service temperature	-5 to +80 °C
Crack bridging	0.75 mm
Touch Dry	6 hours
Time between two coats	8-10 hours
Complete hardening	7 days
Water absorption	Nil
Chemical resistance	Very Good

All values are subject to 5-10% tolerance

### Standards Compliance:

- ASTM C 957, C 836, C 501
- ASTM D 624& D 412

### Application Procedures

#### Surface preparation:

The support must be sufficiently cured, perfectly clean, solid and free from non-adherent parts, loose cement, traces of form stripping oils, old varnishes, etc.

All damages and weak concrete should be removed and repair with one of SBI concrete repairing products (please consult SBI Technical team for advice). Any blowholes, chipping or small cracks should be repaired with **EPOREP FINISH** mortar. Edges of expansion joints should be repaired with **EPOMORT** epoxy mortar.

Prepared surfaces should be primed with **TOPSEAL EP** primer. Apply primer on the surface at a rate of 0.15 – 0.2 Kg/m<sup>2</sup> depending on the porosity of the concrete substrate.

### Mixing Instructions:

For preparation of product, pour the hardener pack (component B) into component A (Base) and mix carefully with electric mixer at low number of turns, continue till obtaining a homogeneous mix.

## Application Instructions:

When the mix is ready pour over the primed surface and spread to the desired thickness using a squeegee, application rate between 2 – 2.5m<sup>2</sup> per Liter (depends on surface porosity and desired thickness) then back-roll using a roller to break air bubbles. If application by roll or brush, two coats are recommended to avoid pinholes. Between the two coats allow the first coat to cure (minimum 8 hours) then apply the second coat.

To give additional mechanical strength either at joints or over the whole surface, embed a layer of fiber glass tape or sheet between the two coats.

**For non-skid surface**, sprinkle Quartz (Silica Sand) on the wet top of PUSELA 110 at a rate of 0.5-0.7 kg/m<sup>2</sup>. Allow to dry before removing the excess Quartz by lightly cleaning.

## Coverage

**PUSEAL 110** can covers 2-2.5 m<sup>2</sup> per Ltr. to achieve dry film thickness of 500 microns.

## Packaging

**PUSEAL 110** is available in 4 & 15 Ltr kits.

## Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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