

PLATINA

DAMPSTOP SP700

ELASTOMERIC LIQUID APPLIED MEMBRANE

**BERGER
(HOME)
SHIELD**

SCIENTIFIC WATERPROOFING SOLUTIONS



Product Attributes

UV resistant
and resistant
to yellowing
and weathering



Highly elastic and
crack bridging

Non-toxic and
VOC compliant
water-based
coating



One component
ready to use

Excellent
adhesion on
porous and
non-porous
substrates



Seamless
waterproofing
membrane

Water vapour
permeable



Product Description

Home Shield Platina Damp Stop SP700 is a cold-applied, one component, solvent free, liquid applied waterproofing membrane that is highly elastic and UV resistant. It is economical as well as eco-friendly in properties. This product complies with the requirement as laid out in ASTM D 6083-97a.

Usage area

- For roof waterproofing solutions in both new construction and refurbishment
- For roofs with many details and complex geometry when accessibility is limited
- For cost efficient life cycle extension of leaking roofs
- For reflective coating to enhance energy efficiency
- For vertical walls as elastomeric undercoat and water-proofing barrier system

Technical Data

Form: Pasty

Colour: White

Chemical Base: Polyurethane modified acrylic dispersion

Density: 1.10-1.20 Kg/l @ 30°C

Non-volatile Content: 45% by weight approx.

Tensile Strength: ASTM D2370-98

Free Film: ≥ 1.15 N/mm²

With Geotextile Fleece: ≥ 8 N/mm² expected approx.

Elongation at break: ASTM D2370-98

Free Film: $\geq 250\%$ approx.

With Geotextile Fleece: = 40-50% expected approx.

Shelf Life: 36 months in unopened, undamaged original container, protected from direct sunlight and frost, at 1°C - 35°C. It is always advised to keep the materials away from direct sunlight for a prolonged period of time.

SRI (%) [ASTM E1980-11]: Only applicable to White base) > 100

Transport: Non hazardous

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Packs



20 Kg



Shelf-life/ Storage



In unopened, undamaged original container, protected from direct sunlight and frost at temperatures. At +10°C to +35°C, shelf life is at-least 6 months from the date of manufacture. It is always advised to keep the materials away from direct sunlight for a prolonged period.

Surface Preparation

For cementitious substrates: New concrete should be cured for at least 28 days and should have a pull – off strength $\geq 1.5 \text{ N/mm}^2$. Cementitious or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Repairing of the substrate, filling of joints, blowholes/voids and surface levelling must be carried out using appropriate products. High spots must be removed by e.g., grinding. Outgassing is a naturally occurring phenomenon of concrete that can produce pinholes in subsequently applied coatings. The concrete must be carefully assessed for moisture content, air entrapment, and surface finish prior to any coating work. Installing the membrane either when the concrete temperature is falling or stable can reduce outgassing. It is generally beneficial, therefore, to apply the embedment coat during late afternoon or evening. Prime the substrate and always use a reinforced system as and when required.

Brick and stone: Mortar joints must be sound and preferably flush pointed. Use localised reinforcement over joints and prime before applying HS Platina Damp Stop SP700.

Slates, tiles, etc.: Ensure all slates/tiles are sound and securely fastened, replacing obviously broken or missing sections. Fully glazed tiles must be abraded prior to priming and subsequent treatment with HS Platina Damp Stop SP700.

Bituminous felt: Ensure that Bituminous felt is firmly adhered or mechanically fixed to the substrate. Bituminous felt should not contain any badly degraded areas. Prime with appropriate primer and always use a totally reinforced system.

Bituminous coatings: Bituminous coatings should not have sticky or mobile surfaces, volatile mastic coatings, or old coal tar coatings. Prime with appropriate primer and always use a totally reinforced system.

Metals: Metals must be in sound condition. Abrade exposed surfaces to reveal bright metal. Use localised reinforcement over joints and fixings. Use Berger Epoxy based primer before application.

Wooden substrates: Timber and timber-based panel roof decks are to be in good condition, firmly adhered, or mechanically fixed. Use Berger Epoxy based primer before application.

Paints/Coatings: Ensure the existing material is sound and firmly adhered. Remove any oxidized layers and use localised reinforcement over joints.

Application Method: Waterproofing without Geotextile Fleece for UV-stable coating, for extend life of old roofs or as reflective coating to enhance energy efficiency.

Build-up: HS Platina Damp Stop SP700 is applied in two undiluted coats over a primer coat. Substrates: Concrete, metals, wood, tiles.

Primer Coat:

Material: Water = 2: 1 by weight (Self-priming)

Total thickness: ~ 0.3 – 0.5 mm (Primer Coat + 2 Undiluted Coats)

Total consumption: ~ 12 ft²/kg

Waterproofing with Geotextile Fleece

For cost efficient waterproofing solutions in new construction and refurbishment projects.

Build up: HS Platina Damp Stop SP700 is applied in two coats and reinforced with Geotextile Fleece and sealed with one or two additional coats of HS Platina Damp Stop SP700.

Substrates: Concrete, metals, wood, tiles.

Primer Coat:

Material: Water = 2:1 by weight

Total thickness: ~ 0.4 – 0.5 mm [Primer Coat + 2 Undiluted Coats]

Total consumption: ~ 10 ft²/kg

Geotextile Fleece is applied at areas with high movements, irregular substrate or to bridge cracks, joints and seams on the substrate as well as for details.

Safety Precautions

Accidental splashes onto skin must be washed off with water and soap. In contact with eyes or mucous membrane, rinse with clean warm water and seek medical attention without delay.

Ecology

Do not dispose of into water or soil. It is advisable to do it as per local regulations.

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