HS PU Roofkoat

BERGER HOME SHIELD
Complete Waterproofing Solutions

Product Attributes

Seamless waterproofing membrane

Highly elastic & Crack bridging

Water vapour permeable

Excellent adhesion on porous & non-porous surfaces
Used as a primer on dilution with water

UV Resistant, prevent yellowing and weathering
Breathable coating with moderate dirt pick up resistance

Green Pro Certified
Validates our effort in striving towards cleaner, more sustainable future.

12 years warranty

12 YEARS WARRANTY T&C APPLY

Product Description

HS PU Roofkoat is a one component liquid waterproofing membrane. It is solvent – free and requires cold application process. On application, it is highly elastic and UV resistant. It is economical and eco- friendly. Complaint with the requirement as laid out in ASTM D 6083-97a.

Recommended Use

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

Toxicity & Fungi Resistance

NO ADDED LEAD, MERCURY AND CHROMIUM

Non- toxic & Zero rating

Non – volatile Content

60 % by weight approx

Tensile Strength

Free film = >1.5 N /mm² expected approx.

With Geotextile Fleece >10 N/mm² expected approx.

Elongation at Break

Free film = >350% approx.

With Geotextile Fleece = 40 – 60% expected approx.

Aspect

White & Pasty

Density

1.25 – 1.30 Kg /L at 30° C

SRI (%) [Only applicable White Base] ASTM E1980 -11

>100

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Packs


4 Kg


20 Kg

Shelf Life
36 months

Storage

- Store under cover, away from direct sunlight and protect from extreme environment.
- In hot temperature conditions, it must be stored in 30° C controlled temperature.

Surface Preparation

For cementitious substrates:
New concrete- should be cured for at least 28 days and should have a pull – off strength ≥ 1.5 N/mm2.
Cementitious or mineral based substrates - these 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 concretemust 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 spotsto be removed by 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 in the late afternoon or evening.
Prime the substrate and always use a reinforced system as and when required.
For Brick &Stone: Mortar joints must be sound and preferably flush pointed. Use localised reinforcement over joints and prime before applying HS PU Roofkoate.
For Slates, tiles, etc.: Ensure all slates/tiles are sound and securely fastened, replacing obviously broken or missing sections. Fully glazed tiles to be abraded prior to priming and subsequent treatment with HS PU Roofkoate.
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 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 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.
Wooden substrates: Timber and timber based panel roof decks are to be in good condition, firmly adhered, or mechanically fixed.
Paints/Coatings: Ensure the existing material is sound and firmly adhered. Remove any oxidized layers and use localised reinforcement over joints.

Directions for Application

As 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 PU Roofkoteis applied in two undiluted coats over a primer coat.
Substrates: Concrete, metals, wood, tiles
For Primer Coat -
Dilution: 50 % dilution with water
Total thickness: ~ 0.3 – 0.5 mm [Primer Coat + 2 Undiluted Coats)
Total consumption: ~ 1.0 kg/m2
As Waterproofing with Geotextile Fleece:
For cost efficient waterproofing solutions in new construction and refurbishment projects.
Build up: HS PU Roofkote is applied in two coats and reinforced with Geotextile Fleece and sealed with one or two additional coats of HS PU Roofkote.
Substrates: Concrete, metals, wood, tiles
For Primer Coat: 1:1 by weight
Total thickness: 0.4 – 0.5 mm
Total consumption: ~ 1.2 kg/m2
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.

Precautions

- Accidental splashes onto skin must be washed off with water and soap.
- If it comes in contact with eyes or mucous membrane , rinse with clean warm water and seek medical attention.

Ecology

Do not dispose of into water or soil , but dispose it as per local regulations

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