



BUILDROCK SHIELD PU 220

ELASTOMERIC WATERPROOFING &
ANTIFUNGAL MEMBRANE COATING
BASED ON POLYURETHANE

TECHNICAL SPECIFICATIONS & DATA SHEET

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DESCRIPTION

BUILDROCK SHIELD PU 220 is a single component high solid content polyurethane based cold liquid applied elastomeric membrane coating conforming to ASTM C836-898 system, which find various usage in the construction industries. Films obtained are highly flexible and very resistant to water, fungal growth and outdoor performance for longer period.

TECHNICAL DATA

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|-----------------------|---|----------------------------|
| Component | : | Single component |
| Colour | : | Black and aluminium colour |
| Solids | : | >80% |
| Coverage | : | 1 kg/sqm |
| Elongation | : | More than 350% |
| Hydrolysis Resistance | : | Excellent |
| Recoating time | : | 24 hrs |
| Curing time | : | 7 days |

SURFACE PREPARATION

The area to be coated must be sound, clean and free from oil, grease or any other surface contaminates. Remove any loose materials or laitences by scrapping, chipping, mechanical abrasion or any other suitable methods.

Visible cracks, depressed or any porous substrates are to be filled or leveled either with epoxy putty for metallic surfaces or acrylic based filler for concrete or brick surfaces. Apply one primer coat on prepared concrete or brick surfaces before application of **BUILDROCK SHIELD PU 220**

MIXING & USE

It is single component product. Stir it well before use and frequently during use to offset settlement.

STORAGE

Keep in a cool and dry place and never expose in direct sun. Always keep the lid tight after use.

SHELF LIFE

One year if unopened and stored properly

FEATURES

- Excellent resistance to water, alkalis, with inherent properties of anti-fungal, growth.
- Extra ordinary bond on concrete, mortar, metal, wood, tiles and surfaces.
- Excellent compatibility with almost every construction materials.
- Excellent resistance to wide range of chemicals, oils, weathering.
- High gloss and excellent resistant to impact, abrasion and blushing.
- Flexible enough to withstand thermal variation of structure.
- Vapour permeable, thereby prevent blistering of the coating.
- Fast and easy application eliminating construction delays and is labour saving.

APPLICATION AREAS

- As barrier coating for any part of the external or internal faces of the structures where high degree of waterproofing is required.
- Structure where water accumulation causes growth of fungus or micro-organism.
- Structure subject to adverse chemical or marine climatic attack or fungal growth zone.
- General concrete structures, masonry, brick, tile asbestos, galvanized tin and metal etc.
- Keeping various aesthetic views of the structures, higher durability and protective coloured coating for longer maintenance free period.

PACKAGING

BUILDROCK SHIELD PU 220 is available in 200 kg barrel

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BUILDROCK construction chemicals web site.

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