

PEKAY GB820 POLYCOAT Hybrid Waterproofing coating

Description

Pekay GB820 is a High Quality HYBRID Polyurethane Waterproofing coating with outstanding water resistance, mechanical strength, and both UV and Chemical resistance.

It complies with ISO 11600 as a 25LM coating.

It is a single component system, easily applied, without any mixing of components. It may be applied by brush, spray or paint roller. It contains non-slump additives to ensure that it can be applied to vertical walls without dripping. It is fast drying and skins within an hour. After skinning, light rain will not affect the coating.

It is environmentally Green, non-toxic, non-flammable, colour stable and incorporates all the positive features of Polyurethane and Silicone Systems all in one product.

This sealant is ISOCYANATE FREE.

Features

Performance unaffected by climatic temperature extremes

Latest technology manufactured in South Africa

Outstanding UV and weather resistance

Does not yellow or harden with age. Builds a tough rubber coating within hours. 25% movement recovery.

No supporting fabric is needed except in areas of large cracks.

Excellent primer-less adhesion (surface must be clean and dust – free). Clean with C411 solvent.

Over paintable and non-staining

Non-bubbling during and after cure

Available in White, Grey, Black, and colours.

Principal applications and uses

Pekay GB820 is suitable for general purpose waterproofing applications, where liquid systems are needed (such as complex shapes) rather than conventional bituminous or rubber sheeting. It can be used primer-less on a wide variety of substrates including properly prepared cement and concrete, brickwork, woodwork, steel and glass. It is non-toxic, and can be safely used on fish ponds, and water tanks (wash down after allowing to dry fully) It is non-staining on marble and granite. Where a primer is required for more demanding applications, GB211 is the recommended product. Refer to the GB211 Data Sheet for application details.

Application

1. The area to be waterproofed must be scraped clean and allowed to dry. Old waterproofing must be removed wherever possible. Old paint coatings must be removed as the GB820 will draw them off the wall.
2. Where there are expansion joints, clean out the joint, pack the joint using Polycord backing cord, and apply Jayco GB89 Hybrid Joint sealant. GB89 is available in a 600 ml foil sausage, and must be applied using a closed barrel sealant gun. Ensure that the depth is never greater than the width of the joint. Ideally the width depth ratio should be between 1:1 and 1½:1 subject to a minimum depth of 10mm. Allow to cure for 24 hours. Read separate data for more details.

3. Where there are large cracks and spalled areas on the roof, fill them with Jayco M208 Fast Setting High Strength Cementitious Grouting compound. Mix with water and a high speed drill, and pour into the open cracked area, smoothing with a trowel. The M208 dries rapidly to a hard cement compound.
4. Apply GB820 with a synthetic roller, paint brush or trowel. For spray application it may be necessary to dilute the product with Mineral Turps (Pekay C411 solvent) which can also be used for brush cleanup. Apply a generous layer, approximately 1 litre per square metre. The coating is non slump and film thickness is easily obtained in a maximum of two coats. For roller application, use a professional quality medium pile fabric roller (epoxy grade) for best results. When a brush is used, it should be a 100% natural blonde bristle.
5. Supporting fabric is recommended around upstands, pipes, corners, under airconditioning equipment, water tanks, and any trafficked areas. Cut pieces of Spunbond Polypropylene PY800-001 into the correct shape and soak it well with GB820.
6. It is necessary to apply two coats for best protection. Apply at right angles to each other (cross coating). Use a "comb" type wet film thickness gauge to measure the thickness which should not be less than 1mm.
7. Drying time depends on temperature and weather conditions. Avoid temperatures below 5°C or above 35°C. Do not paint during wet or rainy conditions.
8. The product is available in white, grey, black and some colours, and it can also be overcoated. Ensure that the paint used for overcoating is high quality and flexible.

Specifications

Base	: STPeone part resin	Elongation at break	: (DIN 53504) >300%
Colours	: White, Grey, Black	Movement capacity	: 50%
Non-volatile matter	: 92% solids min	VOC	: <5%
Mass per litre (Density)	: 1,4kg per litre	Recovery 100% extension:	90%
Modulus 100% E	: 0,5 N/mm ²	Clean up solvent	: C417Mineral Turps
Tensile Strength	: 1,2 N/mm ²	Hardness (Shore A)	: 40-50

General

Operatingtemperaturelimits	: -40° to +90°C
Skinning time	: 60 – 90 minutes @25°C and 50% RH
Minimum curing temperature	: 15°C
Storage temperaturelimits	: 5°C to 40°C
Application temperaturelimits	: 5°C to 35°C
Shippingclassification	: Non-flammable, non- toxic ingredients
Packaging	: 5 litre plastic containers
Storage life	: 4 months in original packing kept cool and dry (Caution: product may skin in the container)

The information contained in this technical data sheet is to the best of our knowledge correct. NO GUARANTEE IS EXPRESSED OR IMPLIED. Users must satisfy themselves as to the efficacy of the product in their application.