PENTENS L-210

Product Data Sheet

Synthetic Rubber-based, Waterproof Thermal Insulation Coating

Description

PENTENS L-210 is a state-of-the-art 5-in-1 multifunctional synthetic rubber-based waterproofing product. The use of ultra-high pressure water jet cutting process in treating recycled rubber granules to replace the greater part of conventional fillers and aggregates in the product formulation (up to 40% of the total product weight) making PENTENS L-210 an eco-friendly coating with extraordinary physical properties.

Uses

The water jet cutting technique provides "recycled" rubber granules a sharper edge and cleaner surface than ground shredded treatment. The rubber is still very resilient and has good physical properties, so it can be "reused" as an aggregate in various coating formulation.

PENTENS L-210 is suitable for use in:

- As a protective finishing coat on the surface of concrete, masonry, cement plaster, stucco, metal, plastic substrates and any kind of old existing roofing materials
- Exterior and interior applications
- Wall, floor and overhead surfaces

Advantages

- The cured resilient film presents fine resistance against water, corrosion, thermal, acoustic and abrasion.
- Great workability, strength and durability.
- Good adhesion to concrete, metal and plastic.
- UV blockers, weather resistance.
- No blistering, cracking and peeling.
- User-friendly, suitable for use on any surfaces.
- Can withstand foot traffic.
- Water-based, can be applied on damp surfaces.

Technical & Physical Data

Form	High viscosity paste
Color	Greyish-white
Resin	100% acrylic
Solid Content (%)	>80
Water Absorption (%) (BS1881-122:1983)	0.78
Elongation (%) (ASTM D412-06ae2)	>60
Tensile Strength at Peak (ASTM D412-06ae2)	1.6 N/mm^2
Thermal Transmission (W/mK)	<0.1
Corrosion Resistance (ASTM G8-96 60days)	No peeling, cracking, blistering
Shelf Life	1 year when unopened and damaged
Storage Condition	Store in a dry, cool place
Packaging	4kg /pail 20kg /pail 200kg /drum

Important Notes

1. Minimum ambient and substrate temperature is 5°C.
2. Apply only to clean and sound substrates. Surfaces should be well-dampened but free from water and leakages.
3. Thoroughly agitate contents before use.

Instruction for Use

Surface Preparation
Surfaces must be sound, clean, free from dirt, gravel, pollution, mildew and all foreign materials which might affect adhesion. Do not apply if rain is imminent. Repair flashings and damaged areas. Cracks and old bitumen joints shall be repaired prior to the application.

Mixing
Re-stir the mixture before use.
Adjust mix if necessary by adding a small amount of clean water to achieve the desired texture finishing.

Application
Substrate should be examined and primed with PENTENS T-007 primer. Brush at approximately 0.2kg/m² depending on the type and surface condition of the substrate.

For areas exposed to hot drying winds, 2 to 3 thin coats of paint would work better than 1 thick coat.

PENTENS L-210 is meant to be applied in two coats. PENTENS L-210 can be installed using conventional airless spray equipment, trowel, brush or roller. Backrolling after spray application is strongly recommended to achieve uniform texture and film thickness.

Consumption
On concrete roofs: 0.4kg/m²/coat
On facade/vertical: 0.2kg/m²/coat (min. 3 coats)

Note: PENTENS L-210 should be applied in minimum of 2 coats.

Actual coverage may vary depending on substrate texture and porosity.

For more details, please refer to PENTENS Technical Department.

Curing
Allow the coating to cure thoroughly for approximately 4-8 hours depending on the temperature, humidity and wind conditions before applying the subsequent coat.

Cleaning
Tools and equipment can be easily cleaned with water immediately after use. Hardened material can only be mechanically removed.

Safety
PENTENS L-210 is non-toxic. For personal precautions, wear gloves and goggles when handling PENTENS L-210. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

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