

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 treated recycled rubber granules to replace the greater part of conventional fillers and aggregates in product formulation, up to 40% of the total product weight, makes 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, can be "reused" as an aggregate in various coating formulation.

PENTENS L-210 is suitable for using:

- As a protective finish 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, overhead surfaces

Advantages

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

Technical & Physical Data

Form	High viscosity paste
Color	Greyish-white
Resin	100% acrylic
Viscosity (cP)	>80000
Solid content (%)	>80
Elongation (%)	>60
Thermal transmission (W/mK)	<0.1
Corrosion resistance (ASTM G8-96 60days)	No peeling, cracking, blistering
Shelf life	At least 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. Consumption: 2kg/m²/approx. 1.2mm DFT.
3. Apply only to clean, sound substrates where surfaces should be well dampened but free of surface water and leaks.
4. Thoroughly agitate contents before use.



Disclaimer. All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Pentens order acknowledgement.

Instruction for Use

Surface Preparation

Surface must be sound, clean, and free of dirt, gravel, pollution, mildew and all foreign materials, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly. Do not apply if any rain is imminent. Repair flashings and damaged areas. Cracks and old bitumen joints shall be repaired first.

Mixing

Re-stir the mixture **before use**.

Adjust mix if necessary by adding a small amount of clean water to achieve the desired textured finish.

Application

Substrate should be examined and primed with appropriate primer. Brush on at the approximate rate from 0.1~0.5kg/m² depending on the type and the surface condition of the substrate. Consult your local sales representative for details.

On areas exposed hot drying winds. 2 to 3 thin coats of paint may be more successful than 1 thick coat.

PENTENS L-210 is meant to be applied as a two-coat system. PENTENS L-210 can be installed with 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: 2~3kg/m²/per coat

On facade/vertical: 1~2kg/m²/per coat

Actual coverage may vary depending on substrate texture and porosity.

For more details, please refer to our Technical Department.

Curing

Allow the coating to cure thoroughly before applying the next coat. 4 – 8 hours of wait period, depending on temperature, humidity and wind conditions.

Cleaning

Tools and equipment just can be clean with clean water immediately, after use. Hardener material can only be mechanically removed.

Safety

PENTENS L-210 is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling PENTENS L-210.

