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Waterproofing

FIBRE-CEMENT ROOFING

TECHNICAL PROBLEMS

With exposure to weather and ageing, fibre-cement roofs will eventually become porous. They are corroded by chemicals in the atmosphere (smoke, atmospheric gases). Sometimes, plant life can even start to grow on them (moss). When moss grows, it can often cause waterproofing defects at overlap joints between fibre cement components.

TRADITIONAL SOLUTION

Replace the roof: unfortunately, the new roof will encounter the same problems.

Apply an anti-cryptogamic paint: this prevents vegetation but does not solve the sealant problem.

Apply a traditional multi-layer waterproofing: difficult to apply on the uneven fibre cement roof and significantly increases the load on the roof - which can make this solution technically impractical.

Apply a single-layer elastomer: this ages poorly and provides no resistance to polluting chemicals in the atmosphere.

Install a metal roof over the existing roofing increases the load and may require structural reinforcement. This does not solve the corrosion problems.

SOUPLETHANE TECHNIQUE

SOUPLETHANE is applied as a liquid film on the roof. It offers excellent adhesion to the substrate, resists corrosion from atmospheric chemicals, resists UV light and is anticryptogamic. It bridges over cracks in the substrate and is easy to maintain and repair. Additionally, you can also ensure a continuous seal by bridging the roofing gaps with a glass cloth support. The nuts and bolts used to fix the panels in place are also sealed by the resin, ensuring they are fully waterproof.

Roofing protected by SOUPLETHANE can also be made nonskid by spraying fine silica across the top layer before it polymerises. This is an important safety consideration for anyone required to work on a sloping roof, even if the roofing isn't normally accessible.

TESTS AND CERTIFICATIONS

- UV ageing tests: LC PC.
- Bridges and Roads Laboratory: bridging cracks up to 2 mm wide in concrete.
- Chemical resistance: SGN laboratory. Rhône Poulenc (Vitry)
- Adhesion to fibre-cement: 30 Bars.



SPECIFICATION

 prepare the substrate Scour the substrate with a pressure washer.

apply SOUPLETHANE

Apply SOUPLETHANE at a rate of 1 to 1.3kg/m² (depending on the condition of the substrate).

- With a roller: it is difficult to ensure an even thickness on the corrugations, especially in the troughs.
- By machine: this ensures an even application and constant thickness at the top and trough of each corrugation.

WORK REFERENCES

- Pain Jacquet
- Rhône Poulenc/Vitry Talbot/ Poissy
- Unipierre/Bordeaux