TamSeal Acryl

Acrylic Latex

Waterproofing Products

Description

TamSeal Acryl is a liquid, water-based high solids acrylic polymer latex, with high bonding and water proofing characteristics. It is stable under wet alkaline conditions forming a reinforcing polymer matrix within cementitious mixes.

Key Benefits

- High Bond Strength – Provides excellent adhesion when used as a bonding agent or as an admixture in cement based mixes.
- Resilient – When used as an admixture, an acrylic lattice is formed throughout the mix, greatly reducing brittleness and enhancing impact damage resistance.
- Enhanced Chemical Resistance – The cementitious resin lattice within the render matrix greatly reduces ingress of chloride ions and other harmful materials.
- Water Resistance – Combines low permeability with resin stability in continuously wet conditions when used in cement based mixes.
- Versatile – Easy to use with positive bond to a wide range of materials such as brick, stone, concrete, timber and most metals.
- Product Stability – Specially formulated for maximum performance under alkaline conditions of cement mixes. Unlike P.V.A systems, the bond film will not hydrolyse under wet conditions.
- Delayed Bonding – When used as a bonding agent, subsequent toppings may be applied immediately or up to 24 hours later.

Typical Applications

- Repairing mortar in sewage and water treatment plants
- Repairs to spalled and damaged concrete
- As an additive for TamSeal 10
- Waterproof renders / screeds
- Renders to brick or concrete walls
- Sealing walls, bathrooms and kitchen ceilings before painting

Application Guidelines

Surface Preparation

Concrete**:** The strength of the concrete should be consistent with service requirements. The surface must be clean of any dust, oils and cement laitance etc. Blast cleaning may be used to expose clean firmly-bound aggregate. Mortar smears and/or lumps should be removed from brickwork.

Steel: An abrasive blast clean or grinding to uniform light grey colour free from all rust and mill scale.

Painted Surfaces**:** Quality oil based paints in sound condition may be rendered provided any gloss finish has been dulled using sandpaper to provide a better keying effect for adhesion. It is always advisable to make trial test for adhesion prior to application.

Plaster Surfaces: Remove all flaking paint and repair any surface damaged sections. For restoration of body plaster, drill fine holes and inject neat TamSeal Acryl using a Tam injection syringe. This method may also be used to repair de-bonded sections.

Acid etching is not recommended as a surface preparation due to the potential corrosion of steel reinforcement. Use abrasive blast or mechanical scabbling and thoroughly remove all dust and loose materials.

Mixing

Dilute 1 part TamSeal Acryl with 1 parts of clean potable water to use as a water proof cement mortar.

Yield

On smooth dense surfaces apply TamSeal Acryl diluted with equal parts of water in an even continuous film using brush, roller or airless spray gun. Coverage will be approximately 6m²/litre.

On rough absorbent surfaces or vertical surfaces, add a small quantity of Portland cement to the diluted TamSeal Acryl to thicken the mixture. Brush well into rough surfaces to ensure continuous coating. Avoid ponding. Coverage will be approximately 3 – 4m²/litre.

Waterproof Repair Mortars

Diluted (1:1) TamSeal Acryl may be used as a mixing liquid, in place of water, in all cement mixtures. Other admixtures should not be used unless trials indicate satisfactory performances.

Priming
For best results when using as a primer, mix with cement to form a slurry and apply to pre-dampened surface.

Curing
Repair mortars using TamSeal Acryl should not be water cured. Excessive use of water can wash out acrylic emulsions and weaken the surface.

Note: If curing is required, the surface should be sprayed with TamSeal Acryl diluted with 1 to 2 parts of clean potable water.

Cleaning
Clean all tools and equipment with soapy water promptly after use.

Storage

TamSeal Acryl should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of up to 12 months can be expected.

Health & Safety

TamSeal Acryl should only be used as directed. We always recommend that the Health & Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Health & Safety data sheet is available upon request from your local TAM International representative.

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