TamSeal 800

High Performance Waterproofing Membrane

Description

TamSeal 800 is a high performance, single component flexible waterproof membrane. In large applications, TamSeal 800 can be spray applied using a dry rotor machine. For smaller applications it can be applied by brush or roller. TamSeal 800 provides a tough, durable, seamless, waterproof membrane for many structures including tunnels, reservoirs and other water retaining structures.

TamSeal 800 is safe, non toxic, and contains no hazardous ingredients.

Key Benefits

- Waterproof – resists up to 15 bars (150 metre head) of positive pressure. Resists up to 3 bar (30 metre head) of negative pressure in its cured state.
- Excellent adhesion, bonds to porous and non-porous surfaces
- Tough and flexible
- Fast curing time (tack free)
- Exhibits excellent crack bridging capabilities
- High resistance to carbon dioxide and chloride ion diffusion.
- Unlike conventional coatings, which require the concrete to cure for 7 – 28 days, TamSeal 800 can be applied to 24 hour old concrete thereby giving immediate protection.
- Fast and easy application

Typical Applications

- Tunnel waterproofing membrane
- Waterproofing of seawater channels
- Sealing and coating tie bar holes
- Sealing of water retaining structures
- As a waterproof coating for roofs
- For fixing tiles in water retaining structures
- Protection against carbonation and chloride attacks
- Application in marine areas

Technical Data

TamSeal 800	
Form	Powder
Colour	Cement Grey / Buff
Application Thickness	2mm - 6mm
Bond Strength to Concrete	1.5N/mm²
Elongation	150%
Consumption/m²/mm	1.0kg/m²@1mm thick
Shore Hardness	80

Effective of Water Pressure

TamSeal 800 resists water pressure up to 15 bar (150 metre head).

The degree of resistance of TamSeal 800 to water under pressure depends on the coating thickness.

Pressure	Application Rate
3 bar negative	3.6kg/m²
15 bar positive	3.6kg/m²

Chemical Resistance

TamSeal 800 has outstanding wear and weather resistance and has good chemical resistance to gasoline, diesel and oil.

All technical data stated herein is based on tests carried out under laboratory conditions.

Application Guidelines

- If applying directly onto a porous surface, it is important to initially soak the surface and allow ponded water to run off prior to application of TamSeal 800.
- If the receiving surface is rough, it is advisable to apply a 20mm layer of TamCrete Topshot.
- TamSeal 800 cannot be applied onto substrates with active water ingress.
- If active water ingress is visible, TamSeal Geotextile Drainage Fleece should be installed to give a dry surface on which to apply the TamSeal 800.
- When applying on to TamSeal Geotextile Drainage Fleece, no pre-dampening is required.

Surface Application

- All surfaces must be thoroughly cleaned and free from laitance, loose material, dust, dirt, oil, grease and all contaminants.
- Tamseal 800 should be applied onto a damp (not wet) surface.

Application Equipment

- Tamseal 800 can be applied by brush, roller, or hand spray equipment. For larger applications, robotic spraying equipment can be used. For further technical information, please contact your local TAM International representative.

Packaging

TamSeal 800 is supplied in 20kg plastic bags. Packaging size may vary subject to local regulations and requirements.

The standard colour is Grey/Buff.

Storage

TamSeal 800 should be stored at room temperature (min 10℃ and max 38℃), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

Health & Safety

TamSeal 800 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.

TAM Australia ☎+61 8 8340 4166
TAM Hong Kong ☎+852 2690 3723
TAM India ☎+91 92 7222 5905
TAM Indonesia ☎+62 21 7801414
TAM Singapore ☎+65 6296 0364
TAM Taiwan ☎+886 49 2263 066
TAM UK ☎+44 2476 253098