

Single Component Flexible Gas and Waterproof Membrane

DESCRIPTION

TamSeal 10GM is a high performance elastomeric liquid rubber membrane specifically designed for waterproofing a range of vertical and horizontal surfaces. It is a water based compound, formulated on a styrene-butadiene copolymer. TamSeal 10GM is a single component coating that requires only stirring to form the ideal product to provide a waterproof and gas proof, liquid applied, methane and carbon dioxide barrier.

The standard colour is mid-grey.

KEY BENEFITS

- > A 0.7 mm thick (dry film) coating provides an effective methane barrier when applied to most clay or cementitious based construction materials
- > An effective waterproof membrane
- > Excellent adhesion, bonds to porous and non-porous substrates.
- > Flexible
- > Non-toxic
- > Will withstand temporary light trafficking
- > Cannot be punctured as fully bonded
- > Easily repaired by locally over-coating
- > Can be painted, plastered or screeded over.
- > Rapid drying. In good conditions, two coats can be applied in the same day.
- > Easily applied by brush, roller or airless spray.
- > Easily applied to damp "green" substrates

TYPICAL APPLICATIONS

- > As a retro applied gas proof membrane to concrete, masonry and brick substrates.
- > Can be applied by airless spray, roller or brush to walls, floors or soffits.
- > As an alternative to sheet membranes in new construction

TECHNICAL DATA

| TamSeal 10GM | |
|------------------|--------------------|
| Components | 1 |
| Form | Thixotropic Liquid |
| Density | 1.20 - 1.30 |
| Application Temp | +4°C |
| Toxicity | Non-toxic |

| Cured Properties | |
|----------------------------|-----------------------------------|
| Adhesion to concrete | > 1.1MPa |
| Elongation ASTM D2370 % | > 100% |
| Water Penetration | 3.0 bars no penetration |
| Gas (methane) permeability | < 1.40 x 10 ⁻¹² kg/m/s |

Chemical Resistance

TamSeal 10GM has good chemical resistance to gasoline, sodium hydroxide, calcium chloride, de-icing salts and effluent.

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

APPLICATION GUIDELINES

- > Surfaces must be clean, free from dust and loose material, oil, paint, fungal growth etc.
- > Non-structural cracks > 0.5 mm wide must be filled
- > Structural cracks must first be repaired and filled
- > The substrate must be sound and ideally present a smooth face. Fill holes with TamCrete 46, remove fins and snots; re-point flush to the surface.
- > Old repairs must be inspected and re-repaired if necessary
- > Newly laid concrete should have a clean textured surface. TamSeal 10GM can be applied to concrete or mortar within 24 hours of laying.
- > Apply 45° fillets into angles formed of cementitious mortar, TamCrete Plug or TamCrete PolyPlug where practical.

Mixing

TamSeal 10GM is supplied ready blended in pails. The product requires agitation using a slow speed paddle mixer. Mix carefully for 5 minutes before use. If containers are stored for more than 2 hours after opening, re-agitate. Do not add water.

Surface Application

Pre-dampen (don't wet) the substrate before applying the first coat.

Interface with other media

For expansion joints; ensure that TamSeal 10GM is applied well into the rebate before the expansion media is applied. Other gas membranes must be exposed and lapped with TamSeal 10GM where present.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

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Dealing with cracks

Cracks must be stabilised and filled. Apply the first coat of TamSeal 10GM and apply plasterers' polyurethane scrim along the line of the crack. Apply a further coat of TamSeal 10GM to fully cover the scrim; apply the final coat as stated below.

Application of the main coating system

- > The product can be applied by stiff brush, roller or airless spray with a minimum 17/1000 of an inch nozzle. The spray method is especially suitable for less accessible locations and uneven substrates.
- > The first primer application is applied at the rate of > 300 g/m². Ensure that the coating is even and use a circular action when spraying.
- > Allow the primer coat to dry before applying the second coat.
- > Apply the second coat at the rate of 700 g/m² for brush application and apply at right angles to the first coat. Again use a circular action when spraying.
- > Do not apply over bitumen.
- > The total application thickness must not exceed 4 mm if splitting or cracking is to be avoided.

STORAGE

TamSeal 10GM 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 one year can be expected.

HEALTH & SAFETY

TamSeal 10GM should only be used as directed. We always recommend that the Safety Data Sheet (SDS) 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 Normet representative.