TamCrete SBR

Polymer Admixture

normet
CONSTRUCTION CHEMICALS
TECHNICAL DATA SHEET

DESCRIPTION

TamCrete SBR is a liquid, water-based high solids styrene butadiene 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

- Dramatically improves the adhesion / bonding of cementitious mixes
- Effective plasticiser, giving increased workability and cohesion. Also allows reductions in water content to improve durability and strength without loss of workability.
- Excellent waterproofing admixture which is alkali stable in cementitious mixtures
- Good freeze / thaw resistance

TYPICAL APPLICATIONS

- Surface waterproofing
- Lift shafts
- Basement tanking
- Waterproof screeds

TECHNICAL DATA

TamCrete SBR	
Appearance	White Liquid
Solids Content	42 - 48%
Density at 20°C	1.05
Particle Size	0.20 µm

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

APPLICATION GUIDELINES

Surface Preparation
All surfaces must be thoroughly clean, free from laitance, loose material, dust, dirt, oil, grease and other contaminants and profiled to produce a receptive surface. The use of grinding or scabbling machines is recommended for large areas

Application Method
For Bond Coat / Primer:
A bond coat / primer should be used for all surfaces that are to have a TamCrete SBR waterproof render or screed applied.

Mix Design BondCoat / Primer	
TamCrete SBR: Cement	1:2 parts by weight 1:1 parts by volume
Coverage	1 - 1.2 kg/m^2
Properties	
Consistency	Brushable viscous slurry
Bond Strength BS 6319: Part 4	28.6 MPa

Mix the cement into the TamCrete SBR until cohesive. Use a stiff brush to apply a thick coat to the wet surface. Work well into the surface. Application of concrete renders and mortars should take place while the bond coat is still tacky. DO NOT apply over dry bond coats; in this case hand scabble the dry coat before applying a further bond coat. Bond coats remain 'tacky" for approximately 20 minutes depending on ambient temperature.

<u>For Waterproof Renders / Screeds:</u>
Sealing and waterproofing of water tanks, basements and interior/exterior tanking.

Mix Design Waterproof Render / Screed	
Sulphate Resisting Cement	50 kg
Coarse, Clean Sand	125 kg
TamSeal SBR	14 litres
Water	3 - 5 litres

After surface preparation and wetting, apply a brush coat of bonding mix horizontally. When almost touch dry, apply a further coat vertically. Each coat should be 10mm thick. Lightly scratch the surface of the second coat when nearly touch dry and leave for 24 hours to cure.

Apply a further bond coat while it is still wet, trowel on the render coat at a thickness up to 10mm. If additional render coats are required, apply at 1 - 2 hour intervals. Close up the final coat with a steel finishing float. Mechanical properties are similar to those of the thin section TamSeal SBR floor screed.

Thorough curing is essential on all exposed surfaces, particularly in dry or windy conditions. Curing methods such as water misting, polythene sheeting and similar techniques are suitable.

STORAGE

TamCrete SBR 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 if stored in buckets and six months in bag package.

HEALTH & SAFETY

TamCrete SBR 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 Safety Data Sheet is available upon request from your local Normet representative.