AlasTomeriK® EMB

Description

AlasTomeriK EMB, Elastomeric membrane is a liquid applied coating based on urethane prepolymers extended with tar, which cure by reaction with atmospheric moisture to give a continuous film which is rubbery and elastic.
AlasTomeriK EMB, is a very high solids coating designed to give a high-build film. It can be brush or spray applied (with airless spray equipment) but it has a higher viscosity than a conventional paint and should not be diluted.
AlasTomeriK EMB, cures to a permanently flexible seamless membrane which, by virtue of its chemical reactivity in the wet state, has good adhesion to a wide range of substrates. Unlike more traditional bitumen based products,
AlasTomeriK EMB, does not readily embrittle with age, exposure to ultra violet radiation or weathering, and hence it does not crack or craze.
Since it is Elastomeric **AlasTomeriK EMB**, is not adversely affected by extremes of temperature consequently it is resistant to cracking at low temperatures and does not suffer thermal flow at elevated temperatures.
AlasTomeriK EMB, can be applied by brush, airless spray or roller without the need to mix, stir or heat before application.

Areas of application

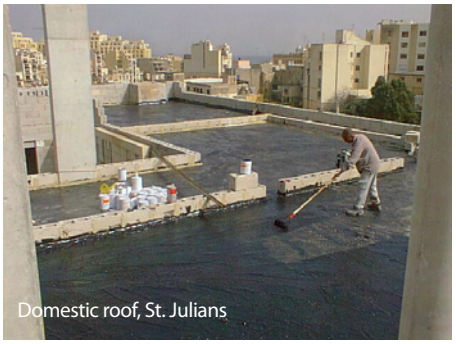
AlasTomeriK EMB, is designed to bond to many types of substrate particularly those commonly used as roofing, such as felt, asphalt, slate, tiles, asbestos, concrete, brick, wood, glass and metals. It can also be applied to sprayed polyurethane (pu) foam insulation. However, it is essential that substrate and structures are properly prepared, and stable. Surface previously treated with silicone-based materials will inevitably be difficult to overcoat and this should not be attempted with **AlasTomeriK EMB**.
Substrates with poor adhesion to the underlying structure (e.g. blistered roofing felt) may also cause problems in providing sound over-coating. Preferential vapour drive in buildings must also be borne in mind when over-coating the roof and it may be judged expedient to employ ventilation to cope with transmission of high levels of moisture vapour.

Method of application

The dry film thickness (DFT) of **AlasTomeriK EMB**, should not be less than 0.5mm or more than 1.00mm for each coat. Rough or textured surfaces will reduce the coverage rate and consequently more material must be allowed to achieve the minimum DFT. **AlasTomeriK EMB**, is a membrane coating, not a paint and as such protection is only achieved with a high film build, i.e. 1mm on flat surfaces minimum. It is therefore essential that this is achieved. The membrane can be applied in one 1mm or two 0.5mm coats. The two coats are recommended on uneven and jointed surfaces to minimize the possibility of thin patches, missed areas and pin holing. In the case of two-coat application, it is important to re-coat within 24 hours of the first coat becoming sufficiently cured to allow operator access. **Do not dilute AlasTomeriK EMB.**

Coverage

Coverage rates may vary with surface texture and porosity. The information given is based on average usage. A site trial is recommended. AlasTomeriK EMB – 1 lt/m^2 on a smooth surface will provide an adequate film thickness of approx. 1mm. Any surface texture will increase the surface area which must be allowed for when calculating usage – e.g. on a chipping embedded surface the actual area will be approximately doubled.


Domestic roof, St. Julians


Domestic roof, St. Julians


Tigne Point, Sliema

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AlasTomeriK® EMB

Method

1. Remove all loose material by vigorous brushing, wire brush if necessary.
2. Treat any fungal growth with proprietary fungicide as recommended.
3. Allow surface to dry thoroughly and any moisture contained in the structure to evaporate, AlasTomeriK EMB should not be applied to damp substrates.
4. Fill cracks and voids with a polyurethane mastic sealant.
5. Prime with AlasTomeriK PRIMER EMP (6-10m^2./lt depending of substrate texture and porosity), which cures to a slightly tacky film in 2-4 hours. Overcoat with AlasTomeriK EMB, as soon as possible after this time and certainly within 48 hours. If delay exceeds this, re-priming is advised.
6. Apply AlasTomeriK EMB, at a maximum film thickness of 0.5mm for two-coat applications and 1mm for one coat.
7. In the case of two-coat application, the first coat should be touch dry in 12-48 hours (in some conditions this might be delayed) and the second coat should be applied within 24 hours of this stage to ensure good adhesion.
8. Second coat delay:- if more than 24 hours elapse after the touch dry stage of the first coat, prime the entire surface with the primer EMP and allow to dry before recoating within 4 – 8 hours.
9. Day-work joints – where application extends over more than a working day, an overlap of 150mm should be used.

Spray application

- Only airless spray should be used
- Graco King 60 to 1 ratio or similar
- Compressor:- 100psi, 60cfm min
- Tip Size:- 28 – 30 thou 50º Angle.

Application rate:

AlasTomeriK EMB is easily and quickly applied manually at a rate of 40m^2 per man hour or up to 600m^2 per day by spray application.

Repairs

Minor damage to AlasTomeriK EMB can be repaired by removing loose membrane, cleaning the surrounding area with aromatic hydrocarbon solvent overlapping by 150mm, priming the area with EMP and finishing with two coats of AlasTomeriK EMB.

Storage, handling & personal protection

The recommendations supplied in the Safety Data Sheet for this product must be followed at all times.

TYPICAL PROPERTIES	EMB
S.G.	1.2
Solids %	92
Abel closed cup flash point ºC	69
Application limits ºC	5 - 70
Approx. Dry Time (20 ºC, 50% RH)	12-24 hrs touch dry, - 7days full cure
Elongation %	500
Tensile Strength MN/m^2	2.0
Accelerated Weathering	12000 hrs No appreciable deterioration
U/V Resistance	Excellent fs
Hydrolysis Resistance	Excellent
Resistance to Industrial Environments	Excellent
Mechanical Damage	Good
Storage Stability (temperate climate)	9 months


Buxom Factory - Reservoir


Verdala Mansions, Rabat

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