TAL MT PRIMER

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High performance moisture tolerant primer and sealer for coating and floor systems

Product Description
TAL MT PRIMER is a high penetration primer suitable for use with a wide range of epoxy coatings and floor systems on substrates that have a high moisture content. It can also be used as a stand alone sealer for green concrete.

*It is not a moisture barrier.

Advantages
- Low viscosity
- Penetrating
- Long pot life
- Enhances bond
- Stops out gassing
- Can be applied to green concrete.

Laboratory Test Data

Property	Typical Results
Volume solids	75%
Pot life	2 hours at 25˚C
Touch dry	3 hours at 25˚C
Recoat time	6 to 18 hours at 25˚C

Volatile Organic Content
VOC = 145 g/L

Theoretical Coverage
5 to 6m2 per liter.
Actual coverage will depend on wastage and surface profile and can be up to 30% or more higher than theoretical coverage.

Packaging
5 and 15 liter packs

Shelf Life
18 months when stored at below 30°C under shade in a dry environment.

Application Guidelines
Epoxy coating and floor systems should be applied by experienced coating crews. TAL provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Surface Preparation
The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The surface should be prepared by grit or high pressure water blasting to produce an exposed aggregate surface and any bug holes and cracks.

Bug holes and cracks should be filled with TAL BUGFILL after application of the TAL MT PRIMER. The substrate should not have dry surface water and should have been made as dry as possible using compressed air and heaters as necessary. Whenever coating is applied to moisture containing substrate there is a risk of adhesion failure. It is essential that a trial area be carried out at the adhesion tested before commencing work. When applying to green concrete, the concrete should have reached initial set and no standing water should be present.

Moisture Testing
The concrete slab should be tested for moisture with the Rapid RH system following the procedure in ASTM F2170. If the humidity reading is greater than 80% then conduct moisture vapor emission rate (MVER) testing using the procedure in ASTM F1869. (Both test kits are available for purchase from TAL). If the MVER is under 3lbs/1000ft²/24h use TAL SF PRIMER. If the MVER is 3 to 5 lbs/1000ft²/24h use a single coat TAL MT PRIMER at 165 microns wft. If the MVER is 5 to 12lbs/1000ft²/24h use two coats of TAL MT PRIMER at 200 microns wft per coat.

Mixing
Mix TAL MT PRIMER using the following technique. Add the hardener 'Part B' into the base 'Part A' and mix using a slow speed drill (500 rpm) with an TAL Approved Mixer Paddle for 3 minutes or until both components have fully dispersed and are uniform in color. Be sure to rotate the mixer throughout the drum. Mix only full packs.

Priming
The mixed primer should then be applied to the prepared substrate with a stiff brush or roller. Do not over apply or allow puddles of primer to form. If the primer is absorbed into the surface easily, it will be necessary to apply a second coat once the initial coat is tack-free. Allow the primer to become tack-free before application of the layer. Apply next layer within 24 hours of priming.

Limitations
Will change color when exposed to direct sunlight.
Will not accommodate movement cracks.
Do not apply below 5˚C.
Avoid excessive application.
Avoid skin contact.
Do not discard into the water system.

ULTRA LOW VOC

LEED® VOC Compliant