TAL SOLVENTED PRIMER

Issue Date
22/09/2016

High performance solvented primer for coating and floor systems

Product Description
TAL SOLVENTED PRIMER is a high penetration primer suitable for use with a wide range of epoxy coatings and floor systems.

Advantages
- Formaldehyde free
- Low viscosity
- Penetrating
- Enhances bond

Laboratory Test Data

Property	Typical Results
Specific gravity	0.9 ± 0.05
Pot life	40 mins at 25C (75F)
Touch dry	3 hours at 25C (75F)
Recoat time	6 to 24 hours at 25C (75F)

Volatile Organic Content
VOC = <250g/L

Theoretical Coverage
TAL SOLVENTED PRIMER 10m² 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 25°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 captive blasting to produce a lightly exposed aggregate surface i.e. a ICRI CSP 4 or 5 surface profile. Any bug holes (blow holes) should be filled with TAL BUGFILL or TAL PRIMER FILLER.

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/1000ft²2/24h use a single coat TAL MT PRIMER at 165 microns wft. If the MVER is 5 to 12 lbs/1000ft²/24h use two coats of TAL MT PRIMER at 200 microns wft per coat.

Mixing
Mix TAL SOLVENTED 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 Coating 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.

Application
Apply a single coat of 100 micron wet film thickness using brush, roller or airless spray. When using airless spray, tip size should be 0.015" to 0.0018" at a pressure of 2200psi. Allow to dry before over coating. Ensure that no ponding of the primer occurs and that it is not applied too thick. Recoat after 6 to 24 hours at 30˚C (86˚F). If the primer is left to dry for more than 24 hours the surface will have to be re-primed. Porous substrates may require a two coat application. Clean equipment using TAL SOLVENTED PRIMER.

Limitations
Will not accommodate movement cracks.
Do not be apply within 3˚C of the dewpoint or if it is within 5˚C of the dewpoint and dropping.
Avoid excessive application.
Avoid skin contact.
Do not discard into the water system.