

## THORPRIME



### *MOISTURE TOLERANT, SOLVENT FREE EPOXY RESIN PRIMER*

<b>Description</b>	Thorprime is a two component, solvent free moisture tolerant epoxy resin priming system. It is used as a conventional epoxy primer to accept subsequent epoxy resin coatings, self-levelers and screeds. It is also used 'wet-on-wet' to bond to polymer reinforced cementitious screeds to base concrete slabs. Thorprime may be applied to green and damp concrete substrates and, after preparation, to surfaces that have been lightly contaminated with oil.
<b>Surface Preparation</b>	<p>Concrete Substrates must be clean, sound and free of any laitance and any other surface contamination that could impair adhesion. Existing floor areas will require mechanical abrasion to reveal clean concrete. Enclosed vacuum blasting equipment or vonarx type scabblers should be used. Any areas, which have been significantly contaminated with oil or grease should be treated with hot air compressed air blasting equipment. This will drive out any deep-seated contamination.</p> <p>Any areas of damaged concrete should be broken out and reinstated. For small areas of thin section repairs (less than 10mm in depth) an epoxy resin repair mortar should be used. For larger area, thicker section repairs, a polymer reinforced cementitious repair mortar should be used. Any cracks in the substrate in excess of 1mm wide should be chased out to a minimum width and depth of 5mm and repaired with an epoxy resin mortar. Finer cracks do not normally require pre-treatment as they can be flooded with Thorprime.</p> <p>Any existing floor coatings that are not soundly bonded to the substrate must be removed prior to the application of Thorprime. Adhesion tests should be carried out to ensure compatibility with Thorprime.</p> <p>For newly laid concrete substrates, a light pass with enclosed vacuum blasting equipment is required. This is sometimes referred to as a 'flash' or 'brush' blasting and will lightly texture the substrate and ensure that all laitance and the remnants of any curing membranes are removed. Any flexible joints within the concrete substrates should be protected with masking tape. The perimeters of the area being treated, along with any grids and drains etc., should also be protected with masking tape. Immediately prior to the application of the primer coat, the concrete substrate should be thoroughly vacuumed to remove all dust and other deleterious matter. Whilst the primer can be applied to a damp substrate there should be no standing water.</p>

<p><b>Mixing and Application</b></p>	<p>Thorprime is supplied in pre-weighed packages. It is essential that all of the curing agent, component A, is added to all of the resin, component B, and mixed thoroughly for 60 seconds using a mechanical paint stirrer. The fully blended system is immediately applied to the substrate by brush or roller at an average rate of 4-5m<sup>2</sup>/litre ensuring total coverage.</p> <p>The primer should be worked thoroughly into damp substrates. This also applies to substrates that have been slightly contaminated with oil, where a stiff brush should also be used. Damp substrates should be primed twice with the first coat bound with sand. The second coat should be laid at 45<sup>0</sup> to the first coat.</p> <p>When utilised as a primer for subsequent coating systems or self levellers, Thorprime must be allowed to cure to a tack-free finish. This will take approximately eight hours at 20°C. In order to optimise inter-coat adhesion, Thorprime must not be allowed to cure longer than 48 hours prior to overcoating. If this time is exceeded, light abrasion and a second primer application will be required.</p> <p>When utilised as a primer for polymer concrete or epoxy resin screeds, Thorprime should be overcoated 'wet-on-wet'. Only prime areas that can be overscreeded within six hours. As above, if the primer cures tack-free, light abrasion and re-priming will be necessary.</p>
<p><b>Cleaning</b></p>	<p>Tools can be cleaned with a hydrocarbon solvent such as xylene.</p>

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