

## TUFFLOOR PAVING PAINT

TDS56-3100

<b>DESCRIPTION</b>	A single component fast curing water based floor coating based on self-cross linking technology. TUFFLOOR PAVING PAINT reaches its maximum mechanical strength faster than conventional solvent based 2-pack floor coatings. TUFFLOOR PAVING PAINT has excellent wear resistance and can be applied to almost any surface. A single component fast curing water-based floor coating based on self-cross-linking technology.
<b>TYPICAL USES</b>	With excellent adhesion and mar-resistance, this product is designed for domestic foot-traffic, and is typically used on concrete or timber floors and steps, both inside and out.
<b>PERFORMANCE</b>	This is a premium pure-acrylic coating with superior adhesion, durability and abrasion resistance. This water based product is easy to apply by brush, roller or spray.
<b>LIMITATIONS</b>	Do not apply where air or surface temperatures during application and drying are below 10oC or over 50oC. Not designed as an industrial floor coating. For industrial floors or floors with vehicle traffic use TUFFLOOR WB EPOXY.  DO NOT USE THIS PRODUCT ON FLOORS WHICH HAVE BEEN TREATED WITH CD (CONCRETE DENSIFIER), OR OTHER SILICATE PRODUCTS.

### TECHNICAL DATA

Solvent: Water  
Appearance: White  
Colour: Standard Colours  
Primer: See over.  
Durability: Good  
Thining and Clean Up: Water  
VOC: 42-60 g/litre  
Vol Solids: 34 percent  
Touch Dry: 30 minutes @20°C  
Recoat Time: 2 Hours @20°C  
Number of Coats: 2  
Theoretical Coverage: 12 m<sup>2</sup>/litre/coat  
Wet Film Thickness: 100 microns  
Dry Film Thickness: 34 microns

### SPREAD RATE

10-12 - m<sup>2</sup>/litre/coat  
Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.

**PRODUCT CODES** 56-3100.01  
56-3100.04  
56-3100.10  
56-3105.01  
56-3105.04  
56-3105.10

## **SURFACE PREPARATION** **Cementitious Flooring-New Unpainted**

It is strongly recommended that plaster and concrete is left to age for at least 28 days before coating to allow the concrete to fully cure before application. It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

**Note:** Surfaces treated with Xypex

Do not proceed with surface preparation or application or other coatings until waterproofing treatment has cured and set for a minimum of 21 days. Light abrasive blasting or washing the Xypex surface with a 3 - 5% acid solution followed by a rigorous rinse with clean water is recommended before applying the coating. Be sure to flush all acid off the surface. Alternately, removal of the Xypex coating by high pressure washing or abrasive blasting following full curing is acceptable.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a full grind to remove existing contamination and profile the surface as above is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

### **Cementitious Flooring-Previously Painted Good**

Confirm the existing coating type and system compatibility, referencing Cotec Information sheet: PS-C003 Paint Identification Test MAR 20.

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting, particularly if there is any exposed substrate. Refer to PS-C004 The Moisture Content of Concrete.

**Moss and Algae:** Any algae growth on surfaces must be killed off. The surface should be treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

Any adhesive or glue residues must be completely removed.

Existing coatings that have begun to fail (blistering, flaking, eroded, or worn) will need to be removed as far as practical from the concrete substrate. Once coatings have begun to fail (particularly if there are multiple layers of paint or worn to bare tight concrete) any attempt to paint over will result in failure.

The existing coating needs to be profiled to an open uniform surface suitable for overcoating, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity. The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a hard sand of a good quality existing coating to profile the surface is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

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### **COATING TECHNOLOGIES LIMITED**

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## **Cementitious-New Unpainted**

It is strongly recommended that plaster and concrete is left to age for at least 28 days before coating to allow the concrete to fully cure before application. It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

**Note:** Surfaces treated with Xypex

Do not proceed with surface preparation or application or other coatings until waterproofing treatment has cured and set for a minimum of 21 days. Light abrasive blasting or washing the Xypex surface with a 3 - 5% acid solution followed by a rigorous rinse with clean water is recommended before applying the coating. Be sure to flush all acid off the surface. Alternately, removal of the Xypex coating by high pressure washing or abrasive blasting following full curing is acceptable.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a full grind to remove existing contamination and profile the surface as above is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

## **Cementitious-Previously Painted Good**

Confirm the existing coating type and system compatibility, referencing Cotec Information sheet: PS-C003 Paint Identification Test MAR 20.

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

**Moss and Algae:** Any algae growth on surfaces must be killed off. The pool will need to be emptied and then treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

Any adhesive or glue residues must be completely removed.

Existing coatings that have begun to fail (blistering, flaking, eroded, or worn) will need to be removed as far as practical from the concrete substrate. Once coatings have begun to fail (particularly if there are multiple layers of paint or worn to bare tight concrete) any attempt to paint over will result in failure.

The existing coating needs to be profiled to an open uniform surface suitable for overcoating, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity. The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a hard sand of a good quality existing coating to profile the surface is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

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## Mineral Plaster-Previously Painted Good

Confirm the existing coating type and system compatibility, referencing Cotec Information sheet: PS-C003 Paint Identification Test MAR 20.

It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

**Moss and Algae:** Any algae growth on surfaces must be killed off. The pool will need to be emptied and then treated with TRUEPREP GREEN-KILL following the manufacturer's instructions. This could take multiple applications. Failure to do this and completely kill the roots of the algae that will have grown into the substrate could lead to paint failure and re growth in those areas.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

Existing coatings that have begun to fail (blistering, flaking, eroded, or worn) will need to be removed as far as practical from the Mineral Plaster substrate. Once coatings have begun to fail (particularly if there are multiple layers of paint or worn to bare tight plaster) any attempt to paint over will likely result in failure.

The existing coating needs to be profiled to an open uniform surface suitable for overcoating, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity. The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a hard sand of a good quality existing coating to profile the surface is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

**APPLICATION BRUSH AND ROLLER:** Use product as is or add up to 5% water if high temperatures or windy conditions. This will ease roller/brush drag and assist in keeping a wet edge.

**ROLLER:** Use an 8-12mm nap Dacron roller.

**SPRAY:** Airless spraying is recommended. Pressure 2,500psi max and a 515-619 tip for general application. Add up to 5% potable water if necessary. Best performance is achieved by an initial low-build pass (tack coat), followed by a full spray of finish coat.

Prior to recoating, test the coating by pressing your thumb into the coating for 2 seconds. Recoat only if no impression is made in the coating. Generally it takes around 2 hours in summer and longer in winter.

**APPLICATION NOTES** Before applying ensure you have identified the correct surface preparation and priming system.

Contact Cotec Technical or you Cotec Distributor for advice before applying.

TUFFLOOR PAVING can be used in self-priming mode thinned 10% direct to well prepared, clean dry concrete.

**THINNING** Water

**ENVIRONMENTAL** This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

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