PRODUCT DATA SHEET
Centrecoat Thermoplastic Primer

Description

Centrecoat Thermoplastic Primer is a single pack, solvent borne, acrylic resin based, thermoplastic primer for concrete and block paving. When applied to freshly placed concrete, Centrecoat Thermoplastic Primer functions as a curing membrane, reducing any tendency towards drying shrinkage cracks. At the same time the surface becomes sealed against the ingress of oils and many aqueous chemicals, and a harder wearing floor is produced.

When applied onto old concrete or blocks, Centrecoat Thermoplastic Primer penetrates into the pore structure thereby sealing and dust proofing the surface, to aid the adhesion of thermoplastic line markings and logos.

This product can also be used as a curing/sealing treatment to new concrete, and as a sealing/dust-proofing treatment to old concrete and blocks to provide a sealed and dust-proof surface with resistance to the ingress of oil, petrol and chemical spillages.

Advantages & Characteristics

- Easily applied by brush, roller or spray.
- Single pack – ready to use
- Good chemical and abrasion resistance
- Seals and dust-proofs the surface
- Resistant to ultra violet radiation
- Provides easily cleanable floor surface
- Internal and external use

Preparation

Old concrete and block paving shall be sound and free from oil, grease, laitance and other contaminants. Previously applied paint or curing membrane must be removed. If required, wash the floor with a detergent followed by a clean water wash, and then allow to dry prior to sealer application.

On new concrete, Centrecoat Thermoplastic Primer may be applied 15 minutes after the final power float or brush finish, or at any appropriate time thereafter.

Application

On old concrete, apply a coat of Centrecoat Thermoplastic Primer by brush, roller, squeegee or spray at a nominal rate of 8-9m²/litre. Avoid the formation of puddles of excess material. After a minimum of 12 hours a second coat shall be applied at a rate of 11-12m²/litre. NOTE: on very porous substrates a third coat may be necessary.

On new concrete apply Centrecoat Thermoplastic Primer by spray at a nominal rate of 5m²/litre. Ensure that the material is applied evenly and avoid the formation of puddles of excess material on the surface. In hot and/or windy conditions, a second coat of Centrecoat Thermoplastic Primer should be applied at a rate of 8-10m²/litre.

On block paving, ensure material is applied to fully seal the surface. Coverage is dependent on the porosity of the block.

Technical Data

- Appearance: Pale straw coloured liquid
- Pot Life: 25 - 30 minutes at 20°C
- Tack Free Time: 2 - 4 hours at 20°C
- Hard Dry Time: 24 hours at 20°C
- Chemical Resistance: Resistant to spillage of dilute mineral acids, caustic alkali solutions, vegetable oils, de-icing salts, petrol, oil, brake fluid, etc.

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The above times are a guide only. These times can vary due to prevailing site conditions. The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions.

Coverage Rate

Coverage is very much dependent on the porosity of the substrate.

New concrete – typical application rate is 5m²/litre per coat. A second coat is recommended under fast drying ambient conditions.

Old concrete – for a smooth power floated concrete the typical application rate is 8-9m² first coat, 11-12m² second coat. i.e. overall rate = 4.6-5.1m²/litre for 2 coats.

Block paving – dependent on the type of block – typically 2-4m²/litre.

Clean Up / Thinning

Clean equipment with **Centrecoat Tool Cleaner** prior to curing of the coating.

Storage

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C. Do not expose to freezing conditions. Minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturer's instructions.

Limitations

Do not apply to wet or uncured concrete surfaces. Do not apply externally if rain is likely during application Do not apply at temperatures of 3°C or less.

Packaging

Available in 2.5 Litres

Health and Safety

See Safety Data Sheet available from Promain.co.uk. Avoid contact of the material with skin and eyes. Wear gloves and goggles. Wash off splashes immediately with soap and water. Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information Centrecoat Thermoplastic Primer shall be applied strictly in accordance with the manufacturers instructions. For specific advice regarding any aspect of this product, please consult our Technical Department.