

Technical Data Sheet (TDS) of Flexi-Crete Penetrating Concrete Sealer (PCS)

Description

Flexi-Crete Penetrating Concrete Sealer (PCS) is a ready to use, clear, concrete sealer that strengthens, hardens dustproofs and waterproofs concrete. It is ideal to be used as a liquid floor hardener.

Flexi-Crete PCS reacts with the free lime available in the concrete and penetrates the concrete to seal its porosity. It can be used as a floor hardener, concrete sealer and concrete densifier for various concrete areas.

Advantages

- Ready to use, no mixing / dilution required, easy to apply.
- Increases the hardness of the concrete.
- Provides better abrasion resistance.
- Can be used on most cement surfaces for waterproofing.

Areas of Application

- Concrete industrial floors
- Podiums, terrace gardens, car parks, warehouses, etc
- Almost every concrete structures

Technical Specifications

Appearance	Colorless/Transparent
Solid Content	10-12%
pH	11-12
Specific Gravity	1.10-1.15
Viscosity	12-14 cps
VOC	>1%
Approximate Coverage*	40-45 SFT/Kg (2 Coats)

**This is an approximate coverage. Actual coverage obtained will develop on lot of factors including quality of surface, skill of application, which is beyond our control. Poly Flex does not offer any guaranty on the actual coverage obtained.

Suggested Application Procedure

1. Clean the surface to remove any dirt, laitance, curing compounds, or coatings that may prevent Flexi-Crete PCS from penetrating the surface.
2. Polish the entire surface to be treated with a 50 grit polishing brush. Repeat this procedure 2-3 times.
3. Clean the surface and make sure it is free from dust, etc.
4. Use a good quality HVLP sprayer or a regular low pressure sprayer to evenly apply Flexi-Crete PCS on the concrete surface.
5. Certain areas of the concrete may absorb the material quickly. Respray those areas with Flexi-Crete PCS.
6. Spread out any pools with a clean and dry, soft bristle broom or a flat microfiber pad.
7. Polish the entire surface to be treated with a 100 grit polishing brush. Repeat this procedure 2-3 times. Apply second coat of PCS.
8. Keep the surface wet/saturated with Flexi-Crete PCS for a minimum of 20 minutes.
9. After about 60 minutes, polish the surface with a 400 grit polishing brush/pad. Repeat this process for 6-8 times.
10. Clean the surface, and polish the surface with 800 grit polishing brush/pad. Repeat this process for 6-8 times. Can be stopped here if the required shine is achieved
11. For further shine, repeat step 10 with 1000, 1200 and 1500 polishing grit brush/pad to achieve the desired level of polishing/shine.

Recommended Storage

Flexi-Crete PCS should be stored in clean and covered surroundings and it should be stored in a way that there is no physical damage to the can during storage. It should be stored between 5°C – 40°C and avoid exposure to sunlight.

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