

Protective Coating of Industrial Floors

Application by ProCoat Specialities Pvt. Ltd.

ThistleBond

A Division of E. Wood Ltd., U.K.



Many industrial segments like, process, pharmaceutical, chemical, power etc needs to maintain good floors in their production, operation and control areas to prevent accidents, to maintain dust proof & hygienic atmosphere, to facilitate easy cleaning, for aesthetic look and for safe working surroundings. Many industries are now being forced to implement a sound, safe working atmosphere for their work force.

Problem

Based on operation criteria, industrial floor areas being affected by many external aspects like oil spillage, chemical spillage, dust, abrasion due to traffic, compressive loads due to equipment movement etc.

Because of these un-avoidable operational aspects, floor areas will become slippery, dust will be accumulated and forms cakes which is very difficult for removal, loss of aesthetic look. The problem will further extend in terms of entry of oil, chemical, dust etc entering into the concrete thereby corrosion will start. This will finally lead to failure of flooring.

Solution

ProCoat Specialities offers an excellent, effective protective coating system with ThistleBond world class products.

Product : Floor Seal HS

'Floor Seal H.S.' is a high performance, high solids pure polymer resin system designed for single use to provide a protective coating over concrete floors. ThistleBond 'Floor Seal H.S.' consists of a unique blend of polymer resins combined with polyamino adducts which have been specifically formulated to provide optimum level of adhesion, abrasion, impact and chemical resistance which will provide excellent long term protection to industrial floors operating within aggressive environments.

PHYSICAL PROPERTIES

Abrasion Resistance	30 mg loss / 1000 cycles CS17 wheel 1 kg load
Impact Resistance	3.95 joules (35 in lbs)
Direct Pull Adhesion	35 kg/cm ²
Scrub Resistance	> 10000 cycles
Tensile Strength	160 kg/cm ²
Scratch Resistance	No failure 2.5kg load
Dry Heat Resistance	135 °C
Coverage per litre	6.6 m ² @ 125 microns

Ideally recommended for protecting industrial floors of work shops, machine floors, garages, operating islands, process floors, dust proof zones etc.



If chemical spillage is very often or continuous then a final coat of 'Hycote 175' is recommended (check chemical resistance chart).

Application

After cleaning & removing loose particles from the damage area, mix two volumes of base and one volume of activator thoroughly until homogeneous liquid appears then apply this material over prepared surface with brush or trowel or squeeze. Complete application within 30 minutes and allow it to become fully cured. Based on ambient temperature full cure takes place.

Expertise

ProCoat Specialities engineers' having hands on experience in the field of maintenance and repair, they extend services in terms of inspection and suggesting right product with suitable application procedure based on problems faced by customer.

Surface Preparation

Remove dust, dirt, grease over the floor. Remove loose particles. If floor is oily, slight heat can be used to pull out absorbed oil. Concrete can be acid etched with subsequent neutralization and thorough water cleaning. Ideally floor can be slightly sand blasted to get the required profile and roughness.

Distributor catering to your needs



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