

# Repair of Floors

Application by ProCoat Specialities Pvt. Ltd.

## ThistleBond

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



Many companies either production, generation, process and pharmaceutical industries pay more attention about safety and clean working atmosphere aspects for their work force. One important area of this aspect is shop / production floor. The floor areas in these places usually undergo heavy duty operations like trolley movement, foot movement, assembly of heavy machine beds etc. After considerable amount of time, ageing of concrete makes a way for internal disbandment resulting in wear, tear and cracks of floor. Operational aspects make damages more severe. Coolant, oil, chemical spillages over these areas make floor more weak. Repair of these affected floors in normal way is too difficult because, new concrete will not bond over the old / existing concrete, also new concrete needs very long water curing which is not allowed in continuous production areas.

ProCoat Specialities with ThistleBond's specialized flooring products solves all types of "floor" problems like cracks, surface wear, slippery, skid, concrete corrosion, chemical attack etc. A durable, instant and most economical solution to above problem can be achieved with almost one time application along with aesthetic look.



Once the damage is occurred to the concrete floor, cracks will be developed, and penetration of oil, moisture or other foreign matter will further extend the crack and create bonding problem. These damages, when attempted to repair with fresh concrete, will come off because of basic bonding problem of new concrete on old concrete. ProCoat Specialities provides an effective, In-Situ, durable solution to these concrete / floor crack repair.

### Surface Preparation

All loose particles from cracks to be removed. Surface should be de-greased, cleaned. If oil is absorbed, soap cleaning to be done, after that (in case of chemicals) etching, neutralization to be done. Cleaned surface should be abraded by mechanical means in order to get a rough & clean surface. Water cleaning, drying, sweating out absorbed salts etc to be ensured before starting application.



### Application

After cleaning & removing loose particles in damage area, mix two volumes of base and one volume of activator thoroughly until homogeneous liquid appears then mix aggregate to this mixture to get a desired consistency. Apply this material over prepared surface with spatula or trowel or float and press firmly till it fills the entire gap then smooth the surface with trowel. Complete application within 25 minutes and allow it to cure for 3.5 hours.



### 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.

## Damaged Concrete Floor Repair

ThistleBond 'Concrete Patch Repair' is a high performance self priming epoxy repair mortar specifically designed for repairing damaged, eroded concrete surfaces. 'Concrete Patch Repair' is based on unique blend of polymer resins with polyamino amine adduct with a blend of reinforced silica quartz minerals which have been specifically selected to provide optimum level of adhesion and abrasion, impact, chemical resistance to rectified concrete damage with 'Concrete Patch Repair'.

PHYSICAL PROPERTIES	
Abrasion Resistance	145 mg loss / 1000 cycles
ASTM D4060	CS17 wheel 1 kg load
Compressive Strength	840 kg/cm <sup>2</sup>
ASTM D695	(12000 psi)
Impact Resistance	1.8 joules
ASTM D2794	(16 in lbs)
Direct Pull Adhesion	35 kg/cm <sup>2</sup>
ASTM D4541	(500 psi)
Scrub Resistance	> 10000 cycles
ASTM D2486	
Flexural Strength	450 kg/cm <sup>2</sup>
ASTM D790	(6500 psi)
Dry Heat Resistance	135 °C
ASTM D2485	
Shrinkage	Nil
ASTM C246	

These quality parameters of 'Concrete Patch Repair' will make the repair to sustain even in aggressive working conditions. It has an excellent resistance to most corrosive chemicals.

## Distributor catering to your needs



25/34, New Jagnath Plot,  
Rajkot - 360 001 (Gujarat) India.  
Phone : +91-281-2460162, 2467521  
Fax : +91-281-2465430  
E-mail : info@procoat-india.com  
Website: www.procoat-india.com