



## SOLDECK 1000

### Abrasion Resistant Polyurethane Car Park Deck Coating System

#### DESCRIPTION

SOLDECK 1000 is a tough, durable polyurethane based parking deck coating system. It provides a seamless, abrasion resistant floor coating system for internal and covered areas.

#### ADVANTAGES

- Highly durable
- Abrasion resistant
- Easy to apply
- Available in different colors

#### TYPICAL USES

- Car park decks, ramps
- Plant rooms
- industrial and general floorings
- Airport hangers

SOLDECK 1000 system consists of a

- Primer ( BAUPRIME PU)
- Anti slip aggregate (if anti slip finish is Required)
- Abrasion resistant polyurethane resin based top coat( BAUCOAT TC10 )

#### TECHNICAL PROPERTIES

*(The properties shown below were obtained under laboratory conditions).*

Bond Strength	Greater than the cohesive strength of good quality concrete
Touch dry [hrs]	4 to 5 hours
Initial cure	6 to 8 hours
Full cure [days]	7 days
Abrasion resistance (Taber Abraser), [mg]	<50

#### APPLICATION INSTRUCTION

##### SURFACE PREPARATION

The surface should be dry, free of any cement laitance, oil and grease, curing compound and any other contaminants, which may affect the bonding. Light mechanical scabbling, grit/captive blasting or grinding is recommended for cleaning the surface of such contaminants. New concrete surfaces should be 28 days old and the moisture content on the surface must be less than 5%. Refurbishment of existing or old floors must be done with a suitable repair mortar, in order to ensure that

the bond between the old substrate and the new flooring system is very good. Surface irregularities and blow holes shall be repaired with SOLPOXY BF\* (Epoxy resin based blow hole filler and skimming mortar) or SPADREP range of cementitious repair mortar. Alternatively an epoxy resin based scratch coat can be used when repairing larger areas (> 0.5m<sup>2</sup>). The surface after carrying out the necessary cleaning shall be vacuumed for removing the dust debris left over after the cleaning process.

### **PRIMING**

Prime the prepared surface with BAUPRIME PU @ 4-5m<sup>2</sup>/l. The coating is applied when the primer is dry. However, in all circumstances, the coating shall be applied within 24 hours of application of the primer. If the primer surface is left open for more than 24 hours, then a fresh coat of primer has to be re-applied. Broadcast Aggregate No. 3 on the primer whilst it is still wet @0.3 kg/m<sup>2</sup>.

On ramps and turning areas, the aggregate shall be broadcasted @1.2-1.5 kg/m<sup>2</sup>. After the primer dries off brush away or vacuum out the excess aggregates.

**NOTE:** *Different grades of non slip aggregates are available as per the degree of slip resistance required.*

### **APPLICATION**

#### **TOPCOAT**

BAUCOAT TC 10 shall be applied as the abrasion resistant top coat. Mix the pail thoroughly with a suitable paddle mixer fitted to a slow speed drill (300-400 rpm) for a couple of minutes prior to application to remove any

sediment. Pour and spread the coating with a squeegee @5 m<sup>2</sup>/l/coat to get a dry film thickness of 150 microns and finish the surface with a roller. If required apply a second coat at the same coverage rate and only after the first coat has dried off completely after 24 hours.

The coating will achieve its full mechanical properties after 7 days of cure, after which the floor can be subjected to heavy traffic.

### **CLEANING**

Clean all the tools with a Solvent immediately after application. Hardened materials can be removed by mechanically only.

### **Coverage**

Bauprime PU	4 TO 5 m <sup>2</sup> /Litre
Aggregate No.3	0.3 Kg /m <sup>2</sup>
Baucoat TC 10	5 m <sup>2</sup> /Litre/coat for a DFT of 150 microns for smooth surface

### **Packaging**

Bauprime PU	5L & 20 L Kit
Aggregate No. 3	25 Kgs Bag
Baucoat TC 10	5 L & 15 L Pail

### **STORAGE**

Store all material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in an air-conditioned environment and protected from high humidity.

### **SHELF LIFE**

The shelf life of the product is 12 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in

considerable deterioration of the product and reduce its shelf life.

**PRECUATIONS:**

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles

shall be worn. Treat any splashes to the skin or eyes with fresh water immediately.

There are no known health hazards associated with BAUCOAT TC 10 or BAUPRIME PU.

Allow any waste to cure. Seal it into a suitable container and bury in land fill as per the local regulations.

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