



SOLDECK 2000

UV Stable Polyurethane Car Park Deck Coating System

DESCRIPTION

SOLDECK 2000 is a tough, durable and UV stable polyurethane based parking deck coating system. It provides a seamless, abrasion resistant floor coating system for both covered and exposed areas.

ADVANTAGES

- Highly durable
- Abrasion resistant
- Easy to apply
- UV stable. Can be applied on exposed area

TYPICAL USES

SOLDECK 2000 is designed as a protective, wear resistant coating for new and existing trafficked areas such as:

- Car park decks, ramps
- Trafficable flat roofs
- Plant rooms
- Stadiums, industrial floors
- Helipads & Airport hangers
- Balconies and as a general protective coating of concrete from water, salt, chemical spillage and sports areas.

SOLDECK 2000 system consists of a

- Primer (BAUPRIME PU)
- Anti slip aggregate (if anti slip finish is required)

- Two component solvent based polyurethane coating having high abrasion resistance and UV stable properties (BAUCOAT TC20)

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 (>0.5m²). 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 @ 4-5 m²/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/m². On ramps and turning areas, the aggregate shall be broadcasted @1.2-1.5 kg/m². 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 20 shall be applied as the abrasion resistant, hard wearing top coat. The

coating is supplied in two pre-weighed packs (resin & hardener) which has to be mixed at site and used. Part mixing is strictly prohibited. Take a suitable container and pour the resin (A) into it. Add the hardener (B) into the resin and mix thoroughly with a slow speed drill with a proprietary paddle mixer for 2-3 minutes, until a homogenous consistency is obtained. Work the mixer round the mixing pan to ensure it scrapes the side and bottom of the pail to ensure all unmixed material is mixed properly.

Apply the coating immediately after mixing. For smooth surface finish, apply the coating @ 5 m²/l/coat to achieve a 125 micron DFT. 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 ² /Litre
Aggregate No.3	0.3 Kg /m ² on driveways 1.2 -1.5 kg/m ² on ramps and turning areas.
BAUCOAT TC 20	5 m ² /Litre/coat for a DFT of 125 microns for smooth surface

Packaging

BAUPRIME PU	5 Litre & 20 Litres Kit
Aggregate No. 3	25 Kgs Bag
BAUCOAT TC 10	5 Litres & 15 Litres 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.

PRECAUTIONS:

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 20 or Bauprime PU.

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

Note: Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, as the conditions of any labor involved in the application is beyond our control. BAUTECH shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product. It is the responsibility of the user to ensure that the product meets his particular requirements and to use it in a suitable way. Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BAUTECH representative.



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