

Estoflex Solar TC60

Polyurethane Top Coat

Description

Estoflex Solar TC60 is two- component spray/brush apply polyurethane, suitable for use as a finish coat for high performance anticorrosive epoxy or polyurethane based systems. It provides a tough, abrasion resistant finish with excellent gloss and color retention, even under severe exposure conditions.

Uses

Estoflex Solar TC60 is design as a protection layer and provides durability as a top coat over epoxy or polyurethane coating. It gives an easily cleaned surface with resistance of penetration of oils and liquids.

Advantages

- Chlorine resistant finish -ideal for pool areas.
- Easily apply – spray or brush.
- UV resistance – excellent weathering resistant properties.
- Color stable
- Durability – good resistance to abrasion.
- Chemical resistance – excellent resistance to chemical and staining.
- Smooth and seamless surface – easy to clean.
- Good resistance against most industrial chemicals.

Physical Properties

| | | | |
|-----------------------------|--|--------|--------|
| Color | Light Grey, Dark Grey *Other color is available upon request. | | |
| Solid Content, % | 70 | | |
| No of Components | Two | | |
| Mixing Ratio (by weight) | | | |
| <u>Pigmented</u> | | | |
| | Part A | Part B | |
| Gloss | 4 | 1 | |
| Satin | 4 | 1 | |
| Matt | 4.5 | 1 | |
| <u>Clear</u> | | | |
| | Part A | Part B | |
| Gloss | 3 | 2 | |
| Satin | 4 | 1 | |
| Matt | 4.5 | 1 | |
| Recommended Thickness (DFT) | ±100µm | | |
| Mixed Density @28°C | 1.3 ±0.05g/ml | | |
| Pot life | 120 minutes @ 30°C | | |
| Adhesive Strength | >1.5 N/mm ² (Concrete Failure) | | |
| Water Permeability | Impermeable | | |
| Curing time | | | |
| | 20°C | 25°C | 30°C |
| Human Traffic | 24hr | 22hr | 20hr |
| Light traffic | 36hr | 34hr | 24hr |
| Fully chemicals cure | 10 days | 7 days | 7 days |

Application Instruction

Surface Preparation

Ensure surface is dry and free from dirt, grease, water and other contaminants. Surface shall be vacuum blasted to remove surface laitance and create profile for better adhesion.

Mixing

Stir Part A and Part B thoroughly in the containers with power mixer, then pour Part B into Part A in the pre-weighed packing and continue to stir. Mix to a uniform consistency before application. Please take note that, dilution up to 5-10% by volume may be required according to type of equipment and application method.

Application

Estoflex Solar TC60 can be applied by brushing or spraying equipment. Make sure sufficient material is applied evenly to the entire surface to ensure maximum penetration. For application in enclosed area, provide sufficient ventilation to ensure proper drying of applied materials.

Estoflex Solar TC60 shall be applied at 0.13 kg/m² Ensure the first coat is dry before applying the second coat.

Curing

The rate of curing is depending on the temperature and other environmental conditions. Provide good ventilation immediately after application to ensure proper and speed curing.

Cleaning

Estoflex Solar TC60 should be removed from tools and equipment immediately after use with suitable solvent.

Packing & Size

| | |
|----------------------------|------------|
| Estoflex Solar TC60 | 24kg / set |
|----------------------------|------------|

Coverage

| | |
|----------------------------|------------------------------|
| Estoflex Solar TC60 | 0.13kg/m ² / coat |
|----------------------------|------------------------------|

The coverage will depend on porosity of substrate surface to receive **Estoflex Solar TC60**.

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Technical Support

Denka offers a technical support package to specifiers, end-user and contractors, as well as on-site technical assistance.

Storage

Estoflex Solar TC60 has a shelf life of 12 months at good conditions temperature 10- 40°C unopened.

Precautions

Gloves and goggles should be worn. Any splashes to the skin use soap and water or if splashes into eyes, washed off with plenty of clean water. In the event of prolonged irritation, seek medical advice. Keep it away from sources of ignition due to it is flammable. Application areas must be well ventilated.

Additional Information

Denka Construction Solutions Malaysia Sdn Bhd offers a wide range of complementary products which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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