SOLACOAT
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Technical Data Sheet for:

SOLACOAT BT HEAT REFLECTIVE NON-SLIP WATERPROOF PAVEMENT COATINGS

Description

Solacoat's Heat Reflective and Non-slip Waterproof Pavement Coating is a new technology, and is a water-based coating specifically designed to give a Hard Wearing, Heat Reflective Non-Slip & Waterproof surface, with minimal heat absorption for application to Asphalt or Timber pedestrian walk & track areas. It is a Pre-Mixed ONE-coat application. There is the option of an additional clear sealer, which can be used in light vehicle traffic areas and parking lots if the surface consists of Asphalt, which would be applied as the final coat. 1 Coat of our Solacoat BT Primer be applied before topcoat coating. The product can be supplied in any of our current colours.

Features

- Excellent adhesion to correctly prepared substrates
- One pack convenience.
- Rapid drying
- Water based coating system – environmentally friendly
- Excellent non slip characteristics in either wet or dry conditions
- May be used indoors or outdoors.
- Solacoat BT Heat Reflective & Non-Slip & Waterproof Pavement Coating is available in any of our current colour finishes
- Low heat absorption characteristics therefore lower surrounding temperature environments
- The coating can be applied to any Asphalt or Timber Pathways, Tracks, Parking Lots.
- The coating is also an excellent alternative for water-proofing Asphalt or Timber roofs, and in such case, it is recommended to apply one coat of our Solacoat BT Porous Primer.

Surface Preparation

Surfaces must be clean, dry and free of all contamination.





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Mixing Instructions

Stir thoroughly until uniform in colour and consistency.

Application

Pedestrian areas & Asphalt & Timber Roofing

To a clean, & dry prepared surface, apply one (1) coat of Solacoat BT Primer & (1) coat of our pre-mixed BT Pavement Coating. Solacoat BT Heat Reflective & Non-Slip & Waterproof Pavement Coating can be applied by hopper spray gun having a 4 or 6mm nozzle or medium textured roller. A continuous coating must be applied in a consistent manner at a spreading rate of 2½ - 3m^2 per litre. The coated area may be trowelled off, broom finished etc by a second person working in tandem with the applicator.

Dry Film Thickness

The dry film thickness is approximately 150 microns for 1 coat. (1 x Topcoat only required).

Heavy vehicle areas

To a clean, dry prepared surface apply one (1) coat of Solacoat BT Primer & (1) coat of our Solacoat BT Pavement Coating.

Solacoat Clear Sealer for Solacoat Pavement coatings may be applied to assist in spoilage removal for black heel marking, tyre marking and potential oil droppings. Regular cleaning of affected areas may be required so as to maintain maximum heat minimisation benefits.

NOTE: None of these coatings will upgrade a low performance substrate to a high-performance surface suitable for traffic/usage conditions more than what the original substrate was designed for. The substrate and foundation bases must be capable in design and condition to support the perceived traffic usage requirements.

NOTE: Do not apply coatings to hot surfaces. Surfaces above 40°C (or where the back of one's hand cannot be rested comfortably on the surfaces for at least 20 seconds) are too hot for coating. Cracking or other coating problems may arise if application is made to hot surfaces or where excessive windy conditions during application and drying occur.

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Cleaner

all equipment promptly with water. Stubborn residues may be cleaned with warm soapy water. When cured the residue is difficult to remove.

Coverage

Pedestrian/Tracks, Pathways, Roofing & light vehicle traffic areas

Solacoat Heat Reflective & Non-Slip & Waterproof Pavement Coating:	approximately 2½ - 3 m2 / litre
Solacoat Clear Sealer:	approximately 4 – 7 m2 / litre

Drying

Touch dry: Approximately 40 minutes depending on ambient temperature.

Solacoat Pavement coatings may be walked on after 24 hours and subjected to low speed, light vehicular traffic after 3 days under good drying conditions. Heavy vehicles i.e. large trucks, planes etc subject to low speed traffic after 7 days under good drying conditions.

Heat and Safety Benefits

Areas coated with Pastel coloured Solacoat BT Pavement Coatings will be around 12°-30°C cooler than if traditional coatings or other natural stone, coated asphalt. This would translate in reducing the surrounding ambient air temperatures by around 3 - 8°C and with a much reduced period of time when re-radiated heat into the local environment would occur. This would be of particular benefit to resorts, housing complexes, malls, sporting grounds which are open at night or where heat management control of external areas is required etc.

Solacoat BT Pavement Coatings also provides a non-slip & waterproof surface under both wet and dry conditions. These enhanced benefits are unique to Solacoat Pavement Coatings and would contribute significantly to comfort conditions in paved areas in resorts, swimming pool, sporting ground areas, exposed shopping malls, car park surrounds etc.

The colour fade resistance of Solacoat Pavement Coatings is around 15 years and with correct application and maintenance would give up to 15 years coating service-life dependent on usage etc. Should repairs be necessary, the coating system can be easily “touched up” to affect the necessary maintenance. This is a low-cost alternative to replacing existing asphalt/timber areas with an attractive low heat absorbing, non-slip & waterproof surface.





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Other information

These coatings are designed to be applied by professional or appropriately trained applicators. Strict adherence to instructions must be adhered to at all times. Refer to the Material Safety Data Sheets for appropriate personal safety equipment requirements.

END.