

## Smart Cool Weather Diamond Series

### SPTBDS

1 Litre, 5 Litres, 15 Litres & 20 Litres



#### Description

**Smart Cool Weather Diamond Series** is a ultra premium quality, 100% full acrylic based emulsion paint. It contains an acrylic polymer emulsion with proprietary crosslinking specially designed for super premium paints with high level of dirt pick-up resistance. It is specially formulated for the tropics with excellent weathering properties, fungus and algae resistance. Smart Cool Weather Diamond Series finishes have excellent alkali resistance, adhesion and durability. It is formulated to provide at least 10 years protection against fungus and algae growth with correct application.

#### Usage

For decoration and protection of previously painted or new exterior walls for a long lasting aesthetic finish.

#### Composition

|              |   |   |
|--------------|---|---|
| Pigment      | : | Titanium Dioxide and Mineral Extenders. |
| Binder       | : | 100% Pure Acrylic Emulsion.             |
| Volume Solid | : | 40%                                     |
| Diluent      | : | Water                                   |

#### Properties

|                      |   |   |
|----------------------|---|---|
| Finishing            | : | Egg-shell-like finish   |
| Colour               | : | Various   |
| Theoretical Coverage | : | 11 – 13 m <sup>2</sup> /Litre   |
| Drying Time          | : | *Touch dry – 15 to 30 minutes.<br>*Hard dry – 1 to 2 hour.<br>*Dependent on temperature and humidity. |
| Recoating Interval   | : | 1-2 hours   |

#### Application Instruction:

|                        |   |  |
|------------------------|---|--|
| Brush                  | : | For normal use thinning is not necessary   |
| Roller                 | : | For normal use thinning is not usually necessary.<br>Can be thin 5 – 10% by volume with water to assist application. |
| Conventional Air Spray | : | Thin with 10 – 20% by volume with water and adjust to requirement.   |
| Airless Spray          | : | Thinning is not usually necessary. Can be thin 5 – 10% volume with water to assist application.                      |

## Surface Preparation

- Remove all loose, defective paint or powdery residues by wire brushing, scraping, or high pressure water jet. Treat any areas affected by fungus growth with fungicidal wash solution and left dry before painting. Repair cracks, uneven surfaces with putty or suitable fillers. Smoothen the putty areas with sandpaper. Make sure all surfaces are dry before painting. Avoid painting when the moisture content of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by Protimeter)

## Painting Guide

| Surface Condition   | Sealer 1 coated   | Finish (2 coats)                  |
|---------------------|---|-----------------------------------|
| Powdery Surface     | <ul style="list-style-type: none"> <li>Smart Green Sealer 850</li> <li>Smart Wall Sealer 900</li> </ul> | Smart Cool Weather Diamond Series |
| Alkali/ New Surface | <ul style="list-style-type: none"> <li>Smart Green Sealer 850</li> </ul>                                | Smart Cool Weather Diamond Series |

## Composition / Information on Ingredients

| Component        | % by wt |
|------------------|---------|
| Emulsion Polymer | < 66%   |
| Pigment          | <20%    |
| Additive         | < 2%    |
| Water            | < 12%   |

## Hazard Identification

Not classified

## First Aid Measures

### Emergency and first aid procedures :

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Drink a glass of water and consult physician IMMEDIATELY.

## Physical and Chemical Properties

|  |                                    |
|--|------------------------------------|
| Appearance / colour                    | : Viscous liquid with white colour |
| Solid                                  | : <60%                             |
| Specific gravity @ 25oc                | : 1.31                             |
| *Boiling point                         | : 100 oC                           |
| *Melting point                         | : 0 oC                             |
| *Vapour pressure (air = 1)             | : >1                               |
| *Vapour density (101.3 kpa / air = 1)  | : >1                               |
| Evaporation rate (n – butyl ether = 1) | : <1                               |
| Solubility                             | : Miscible with water              |
| Odour                                  | : Mild                             |
| *Properties of water                   |                                    |

## Fire Fighting Measures

|                                  |   |
|----------------------------------|---|
| CLASSIFICATION                   | : Not Combustible   |
| *FLASH POINT                     | : NA  |
| *EXPLOSIVE LIMITS (% BY VOLUME): |   |
| LEL                              | : NA  |
| UEL                              | : NA  |
| FIRE EXTINGUISHING MEDIA         | : Foam, CO2, Dry Powder, sand   |
| FIRE FIGHTING PROCEDURES         | : Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible. |
| *properties of solvent used      |   |

## Accidental Release Measures

- Personal precautions : Use appropriate safety equipment. For additional information, refer to Section 8, Personal Protection information.
- Environmental precautions : Prevent the product from escape into soil, watercourses or drainage systems.
- Cleaning methods : Eliminate source of ignition. Contain area and keep public away. Recover free liquid by pumping or scooping with shovel into separate container. Use sawdust, sand, earth or other absorbent to prevent material flow. Prevent liquid from entering sewers, watercourse or low areas. Dispose in accordance with local regulation.

## Handling and storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapours and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

## Exposure Controls / Personal Protection

- Respiratory Protection : Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
- Ventilation : Sufficient ventilation should be provided during application.
- Protective gloves : Chemically resistant gloves
- Eye protection : Chemical splash-proof goggles or face shield

## Stability and Reactivity

- Conditions to avoid : Heat, spark, open flame and static charge build-up
- Incompatibility (materials to avoid) : Strong oxidizing agents
- decomposition products : Carbon monoxide and carbon dioxide

## Toxicological Information

- Skin contact : Prolonged and repeated contact may cause slight skin irritation.
- Eye contact : Prolonged and repeated contact may cause slight temporary eye irritation.
- Inhalation : Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache, or vomiting.

Effects of over exposure : High vapour and spray mist can be irritating to the eyes, skin and the respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lungs, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur.

### Ecological Information

No ecological studies have been carried out on this product.

### Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

### Transport information

|                 |                 |
|-----------------|-----------------|
| Road (adr)      | : Not Regulated |
| rail (rid)      | : Not Regulated |
| air (icao/iata) | : Not Regulated |
| sea (imo/imdg)  | : Not Regulated |

### Regulatory Information

Regulatory information in country or region with regards to this product should be observed.

### Other Information

All information appearing herein is based on our present state of our knowledge. However information in this MSDS may not be valid for such material used in combination with any other materials or in any process. No representation, warranty or guarantee is made as to accuracy, reliability or completeness. We do not accept liability for any loss or damage that may occur from the use of this information.

### Company Identification

|               |   |
|---------------|---|
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