



Durra High Performance Sealer 5170

DUHPS5170
5 & 20 Litres



Description

Durra High Performance Sealer 5170 is a solvent-based full acrylic resin sealer for interior and exterior use. It has excellent adhesion and penetration properties and excellent alkali resistance and fast drying properties. This product is ideal for alkali substrates like concrete, cement plaster and cementitious based materials.

Usage

Durra High Performance Sealer 5170 is painted as a primer sealer for new and old surfaces to protect the subsequent coats against the effect of alkalinity and moisture from the substrate. This product is specially formulated based on full acrylic resin to provide an excellent adhesion to powdery surfaces and it is ideal for use in repainting purpose.

Composition

| | | |
|--------------|---|---|
| Pigment | : | Titanium dioxide and mineral extenders. |
| Binder | : | Full acrylic |
| Volume Solid | : | 40% |
| Diluent | : | White Spirit |

Properties

| | | |
|----------------------|---|---|
| Finishing | : | Matt |
| Colour | : | White |
| Theoretical Coverage | : | 10 – 12 m ² /Litre (actual coverage dependent on substrate condition.) |
| Drying Time | : | Touch dry – 1 hour. Hard dry – 2 hour. |
| | | *Dependent on temperature and humidity. |
| Recoating Interval | : | 2 hours. |

Application Method

| | | |
|------------------------|---|---|
| Brush | : | For normal use thinning is usually not necessary. |
| Roller | : | For normal use thinning is usually not necessary. |
| Conventional Air Spray | : | Thin with 5-10% by volume with water and adjust to requirement. |
| Airless Spray | : | Thinning is usually not necessary. Can be thin with white spirit and adjust to requirement. |

Surface Preparation

General/ New Surface

- Surface must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease and wax. (To have a better finish, rub down surface using suitable abrasive and dust off before painting Durra High Performance Sealer 5170.)
- Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by protimeter and alkalinity of the walls to be below pH9.)

Previously Painted

- Remove all loose, defective and unstable paint film or powdery residues by thoroughly brushing and scrapping. High pressure water jet is highly recommended. Treat area affected by mould, lichens, algae and moss with fungicidal wash. Allow substrate to dry completely prior to painting. Avoid painting when the moisture content is $>16\%$ and $\text{pH}>9$. Make good minor defects and cracks with suitable filler before painting with Durra High Performance Sealer 5170.

Composition / Information on Ingredients

| Component | % by wt |
|-------------------|---------|
| Solvent | < 35% |
| Acrylic Copolymer | < 15% |
| Additives | 1-2% |
| Mineral Filler | < 55% |

Hazard Identification

- Fire and Explosion Hazards : Liquids can release vapors that can readily form flammable mixtures at temperatures at or above the flash point.
- Health Hazards : May cause irritation of eye, mouth and throat after prolonged exposure. Vapors may cause drowsiness and dizziness.

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 various colour
- Solid : <70% (depends on colour)
- Specific gravity @ 25oc : 1.10 – 1.40
- *Boiling point : 205 oC
- *Melting point : NA
- *Vapour pressure (air = 1) : 0.248 kPa
- *Vapour density (101.3 kpa / air = 1) : >1
- Evaporation rate (n – butyl ether = 1) : <1
- Solubility : White spirit and methanol
- Odour : Mild

*Properties of solvent used

Fire Fighting Measures

- CLASSIFICATION : Flammable, harmful
- *FLASH POINT : 35 oC
- *EXPLOSIVE LIMITS (% BY VOLUME):
- LEL : 0.6
 - UEL : 7.0
- FIRE EXTINGUISHING MEDIA : Foam, CO2, Dry chemical and sand
- FIRE FIGHTING PROCEDURES : Water can be used to cool fire exposed surfaces and to protect personnel. If a spill has not ignited, use water to disperse vapors. Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible.
- *properties of solvent used

Accidental Release Measures

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| 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

| | | |
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| 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

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| 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

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|--------------|---|--|
| Skin contact | : | Low order of toxicity. Prolonged and repeated contact may cause 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 dizziness. |

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

This product is NOT by either landfill or via municipal sewers, drains, natural streams or rivers must be in compliance with all local laws and regulation.

Transport information

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|-----------------|---|------|
| UN NO | : | 1263 |
| IMO CLASS | : | 3.3 |
| Packaging Group | : | III |

Regulatory Information

In accordance to Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997

| | | | |
|---------------|-----|--|---|
| Risk Phrase | R10 | : | Flammable |
| Safety Phrase | S2 | : | Keep out of reach children |
| | S7 | : | Keep container tightly closed |
| | S16 | : | Keep away from sources of ignition – NO SMOKING |
| | S23 | : | Do not breathe gas / fumes / vapour / spray |
| | S24 | : | Avoid contact with skin |
| | S57 | : | Use appropriate container to avoid environmental contamination. |
| S43A | : | In case of fire use sand, earth, chemical powder or foam | |

Other Information

All information appearing herein is based on our present state of our knowledge. However the 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 its 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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