

# SOLVENT-BASED ACRYLIC CONCRETE SEALER

# HARDCOAT GREY

## TECHNICAL DATA

### 1.0 DESCRIPTION

HARDCOAT GREY is a solvent-based grey-coloured acrylic resin solution for use on concrete to seal the surface. It helps maintain the surface clean and prevent staining of the substrate. HARDCOAT GREY has excellent UV resistance.

### 2.0 PHYSICAL PROPERTIES

2.1. Colour	Grey.
2.2. Specific Gravity	0.95
2.3. Flash Point	24°C. Flammable. Avoid all sources of ignition.
2.4. Viscosity	Low
2.5. Min. Application Temp.	5°C substrate temperature.
2.6. Toxicity	Poisonous. Contains aromatic hydrocarbon mixture including Xylene. Non-toxic when completely dry. MSDS available on request.
2.7. D.G. Classification	3.1c (Resin Solution Flammable, UN 1866)
2.8. Shelf Life	Over 1 yr. in original sealed container.
2.9. Coverage	Broomed Surface: 7 m <sup>2</sup> per litre per coat. Trowelled Surface: 12 m <sup>2</sup> per litre per coat. (Coverage is approximate depending on surface porosity and application method)

### 3.0 USES

HARDCOAT GREY is used to put a grey coating on horizontal concrete surfaces such as lock-ups, garages and commercial floors (see precautions page 3 regarding limitations).

HARDCOAT GREY provides a stain resistant and dustproof sealer (but not waterproof). It may be used to seal dusting and porous surfaces to help against further degradation.

HARDCOAT GREY is resistant to water and grease offering excellent durability with good colour retention.

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## TECHNICAL DATA Continued

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### 4.0 BENEFITS

HARDCOAT GREY offers the following benefits and advantages:

- Touch dry in 30 minutes. Can be opened to foot traffic in one to 2 hours (with good drying conditions at 20°C - one coat applications). Additional coats must be allowed to dry completely, about 12 hours under good drying conditions before being opened to traffic.
- Provides a tough, easy to clean film.
- Provides a dustproof surface.
- Dries to a low-medium sheen depending on surface roughness and number of coats applied.
- May be used on interior concrete surfaces (good ventilation required).

### 5.0 APPLICATION INSTRUCTIONS (read in conjunction with product label)

- 5.1. The surface to be treated must be clean and dry prior to application (i.e., uncoated and unsoiled). Stains, oil, grease and any other surface contaminants must be removed. Old stains not removed from the surface will be visible after the film dries and difficult to remove as they will be trapped under the coating.
- 5.2. New concrete should be allowed to hydrate and dry for at least 14 days, preferably 28 days. Film-forming curing compounds must be removed before application of HARDCOAT GREY.
- 5.3. Very dense new concrete surfaces should be 'degazed' by washing with a dilute solution of Hydrochloric or MISTIC Acid, washed thoroughly to remove all acid and allowed to dry. HARDCOAT GREY is not suitable for application to non-porous surfaces, including glazed surfaces such as ceramic tiles, where it cannot penetrate the substrate.
- 5.4. The surface must be as dry as possible to permit maximum penetration of HARDCOAT GREY. Do not apply outdoors if rain or dew likely within 12 hours of application. Wet or damp substrates or exposure to rain or dew can cause adhesion problems or discolouration (white or cloudy appearance).
- 5.5. Always test the HARDCOAT GREY as per step 6.1 before proceeding. Stir well before (and during) use, scraping the sides and bottom of the container. Apply 1 - 2 coats of HARDCOAT GREY as supplied, depending on surface absorbency, opacity and sheen requirements. Two thin coats will give superior performance to one thick coat. Additional thin coats may be applied depending on substrate porosity and requirements. Apply the additional coat to the test area and allow to dry completely, then check if resulting appearance is acceptable. Use a solvent resistant roller or brush/broom to apply. The first coat must be completely dry before application of the second coat. Usually 12 hours is sufficient under good drying conditions (warm weather and air movement).
- 5.6. Completed application must be completely dry before opening to foot or vehicle traffic. This is a minimum of 12 hours from application of the last coat, preferably overnight. Protect application from rain, water, dew, etc. until completely dry.

Clean up with HARDCOAT Solvent or Xylene.



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## TECHNICAL DATA Continued

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### 6.0 PRECAUTIONS

- 6.1. Due to the surface variations inherent in concrete surfaces, **applicator must test HARDCOAT GREY in a small inconspicuous area before proceeding with full application** to determine if suitable for the particular application and/or our information is applicable in a particular circumstance. Specifier and user shall determine suitability for a specific application and assume all responsibilities in connection therewith. Determine required opacity, sheen level and sealing effectiveness by applying one, two or more coats before proceeding with complete application. Substrate composition may result in random variations in porosity, thereby affecting coverage, sheen levels and sealing effectiveness. Coverage rates must be adjusted to compensate for the resulting penetration. Additional coats may be required to provide effective sealing. Uneven substrate composition may not be rectified by applying HARDCOAT GREY to the surface.
- 6.2. Avoid excess coating as the surface may become glossy and therefore slippery in the wet. Apply in thin coats and work well into the surface with roller or brush, laying off excess coating to finish. Do not apply as a thick coat.
- 6.3. HARDCOAT GREY is not a waterproof membrane and is not to be used as such.
- 6.4. Being only a thin coating, HARDCOAT GREY will wear, but can easily be overcoated, as it is resoluble. Wear rate will depend on the substrate and type of traffic. HARDCOAT GREY is not recommended for areas subjected to frequent vehicle traffic as it will wear more quickly, especially in areas where wheels turn, where traffic is restricted to one location (including in the parking area of a garage floor where car tyres can lift the HARDCOAT GREY from the substrate) and where forklifts operate. For flooring applications, any items dragged across the HARDCOAT GREY surface will cause the surface to be scratched and wear more quickly. Before repairing damaged areas or overcoating with more HARDCOAT GREY, clean thoroughly and allow to dry.
- 6.5. Do not apply HARDCOAT GREY if the temperature of the substrate is below 5°C. Check drying time and allow extra time before opening floor to traffic. Ensure good through ventilation (flame proof mechanical if required) during and after application until completely dried. Protect from rain, moisture, etc. until each coat is completely dry.
- 6.6. Soft rubber tyres, such as forklift tyres, may mark HARDCOAT GREY if allowed to skid on the treated surface.
- 6.7. HARDCOAT GREY contains a mixture of aromatic hydrocarbon solvents and must be treated with care. Use in well ventilated areas. Avoid inhalation of fumes. Highly flammable - do not smoke. Keep containers sealed and away from ignition sources and heat. Wear protective clothing and avoid skin contact. If applied indoors, the area must be well ventilated and if necessary, wear self-contained breathing apparatus. If using fans for ventilation, ensure they are of a type that cannot generate sparks. Read and follow all details on the product label and safety label before use. Refer to Product Safety Data Sheet for complete handling and safety information.

### 7.0 PACKAGING

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