Handy Seal GP 600
TECHNICAL DATA SHEET

Water Based Acrylic Sealer

Description

Handy Seal GP 600 is a single- component, ready-to-use, water- based acrylic topical sealer and curing agent that dries to a non- yellowing, sheen finish. Handy Seal GP 600 protects concrete, plaster, and other masonry surfaces against staining and liquids penetration.

Uses

Handy Seal GP 600 is used as a clear coat for new and old concrete surfaces subject to light to medium foot traffic, such as stamped concrete, exposed aggregate, granite, and interlock. Handy Seal GP 600 is also ideal for protecting timber, masonry and plastered walls against stains and moisture penetration. When diluted it can be used as curing agent

Advantages

- Seals and dust-proofs all masonry surfaces.
- Formulated for interior and exterior use
- UV Resistant
- Protects against stains and liquids.
- Low VOC and non-toxic.

Limitations

Do not apply if ambient temperature is expected to drop below 7°C in the proceeding 24 hours. Do not apply if rain, dew, or water exposure is expected within 24 hours after application. Avoid application in direct sunlight and during high winds. Do not apply on areas where negative hydrostatic pressure is possible. Apply in thin coats only; never apply in thick coats. Not recommended for dense surfaces such as marble, glazed tile or granite. Check compatibility with coating on previously treated surfaces. Handy Seal GP 600 enhances the color of treaded surfaces and will therefore slightly alter the natural appearance of treated surfaces. Not intended as a waterproofing membrane.

Coverage

Coverage rates depend on porosity and texture of the surface, method of application, and other surface and job conditions. Minimum two coats are recommended for flooring applications. Typical coverage rates on most masonry surfaces is 80-100 sqm for 20 liter pail on smooth surfaces.

Surface Preparation

All surfaces must be clean, free of grease, oil, dirt, wax, and other foreign matter that may inhibit penetration of the sealer. In some cases, stripping of old coating by chemical or mechanical means may be necessary to insure good bonding of the new sealer coat.
Allow surface to dry for at least 24 hours. Do not use soap or detergent for cleaning; residue may prevent the sealer from bonding to the surface

Application

Avoid application in direct sunlight, or during strong wind. On hot days, apply early in the day when temperatures are lower, and when the surface is in the shade. Mask or protect surrounding areas from spills and contact with product or equipment. Rope off working area, close to traffic, and remove surrounding vehicles.
After thorough preparation of the surface, Handy Seal GP 600 can be applied by brush, roller or spray. A short hair nap roller is recommended for smooth surface. For textured surfaces, a 9-12 mm nap roller should be used. A hand-pump commercial grade sprayer is also an excellent tool for application. Two undiluted applications of Handy Seal GP 600 are highly recommended for full stain protection on floors; allow 12-24 hours drying time between coats. For walls and vertical applications, a single full or a diluted coat may be sufficient depending on the degree of protection required. Dilution will also reduce the degree of gloss. Do not allow foot traffic for 24 hours after final application. Area may be opened to regular foot traffic after 72 hours.
Handy Seal GP 600 may also be used as a curing agent by diluting it 1:1 with potable water and applying it by spray on the same day of casting as soon as the concrete has set.

Maintenance

Treated surfaces should be inspected periodically for thin or traffic-worn areas; dull color and/or water absorption are good indicators of thinned out sealer coats. Stain damaged or discolored sealer coats must first be removed by chemical or mechanical means.

Cleaning

Tools and equipment must be cleaned with soap and water.

Safety Precautions

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY – harmful or fatal if swallowed. Do not breath vapor or mist. Use in a well-ventilated area. Use a properly fitted organic vapor respirator (NIOSH TC-84A approved). Use goggles, protective clothing and vinyl gloves when handling. Keep away from sources of heat or ignition. FIRST AID: Eyes – Do not rub eyes, immediately flush with plenty of fresh water while holding eyelids apart. Skin – Wash with soap and water. Inhalation – Leave the area if experience difficulty breathing. Ingestion – Immediately give large amounts of water and induce vomiting; seek immediate medical attention.

Our recommendations concerning the technical application of the product, whether through oral or written communication or through demonstration, are given to the best of our current knowledge; however, any such instruction shall be without commitment, including where any protective rights of third parties are involved. They do not free you of the obligation to check the products supplied by us for their suitability for the procedures and applications envisaged. The (intended) use and application of the products are beyond our control. They are therefore your personal responsibility. In the event that GAC proves liable, such liability shall be limited in all cases of damage to a sum not exceeding the actual value of the goods supplied by us and used by you. It goes without saying that we guarantee the good quality of our products, in accordance with the standards set out in our General Terms of Sale and Delivery.

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Storage & Shelf life

Product should be stored in dry conditions away from direct sun light or freezing conditions. Shelf life is approximately 12 months from date of purchase in original unopened container under specified storage conditions

Packaging

20 Liter Pail

Physical Properties

Volume Solids	25%
VOC (USEPA 24)	6 g/l
Chemical Resistance	
Nitric Acid (2%)	Excellent
Sulfuric Acid (10%)	Excellent
Ethanol (50%)	Good
Vinegar	Excellent
Alkali Sol. (pH 11.5)	Good
Stain Resistance	Catsup, soft drinks, wine, house dressing, and commercial cleaners.
Moisture Vapor Transmission (ASTM E-96)	15 perms
Dry Time (21C, 50% RH)	30 min. to touch, 1 hr. recoat, 4 hrs. foot traffic, 24 hrs. heavy traffic, 48 hrs. full cure.
Dry Film Thickness	25-50 microns

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