

PRODUCT DATA

Vinyl Ester Coating High Temp

VINYL ESTER COATING HIGH TEMP is a high performance vinyl ester based resin which is applied in aggregate filled layers to provide a dense, non-porous finish. This material is easy to install, provides excellent chemical resistance and performs well in a wide temperature range. Vinyl Ester Coating High Temp provides outstanding resistance to oils, fats, water and corrosive liquids. Specially selected aggregates provide exceptional physical strengths, as well as resistance to abrasion, scratching, scuffing, staining, denting, bacteria and fungus. Vinyl Ester Coating High Temp needs no waxing and is lightweight and easily installed. U.S.D.A. approved for incidental food contact.

FEATURES:

- Quick and easy to install
- Superior chemical resistance
- Performs under extreme temperatures
- Custom texture, slip resistant finish
- Low maintenance, easy to clean
- Non-porous finish
- Bacteria resistant
- U.S.D.A. approved for incidental food contact

APPLICATIONS:

- Production areas
- Refinery tank houses
- Wet process areas
- Ore processing areas
- Food plant floors
- Parking ramps and garages
- Food processing areas
- Coolers and freezers
- Chemical plants
- Warehouses
- Breweries
- Outside areas
- Traffic aisles
- Paper mills
- Slippery areas
- Ramps and docks

For best results on concrete surfaces, use a Vinyl Ester primer before application.

PACKAGING:

1 gallon units. Part A is packaged in a metal pail, Part B in a plastic jug.

5 and 55 gallon units available on special order.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

Compressive Strength:	23,000 psi
Tensile Strength:	11,000 psi
Barcol Hardness:	47
Tensile Elongation:	4%
Flexural Strength:	17,000 psi
Flexural Modulus:	570,000 psi
Adhesive Strength:	400 psi*
*exceeds strength of concrete	
Heat Distortion Point:	230°F
Specific Gravity:	1.2
Tack Free Time:	2-4 hours (depending on humidity)
Service Time:	24-48 hours
Pot Life:	20 minutes

For more products and information, visit www.StratarockIndustrial.com

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COVERAGE: Approximately 100 sq. ft. per gallon at 15 mils. (neat). Broadcast to refusal: 60 sq. ft. per gallon.

PREPARATION: (See SDS Sheet Before Using) The area must be clean, dry and rough prior to application of material. Remove any existing coating, wax, grease, dirt, weak concrete and etc. from the surface. Prepare concrete by acid etching, scarifying or abrasive blasting. New concrete should be completely cured before applying material. Normally, 28 days cure is required on standard concrete or 10 days on high early concrete. If the acid etching method is used, a 10% muriatic acid solution should be applied at 50 sq. ft. per gallon. Allow this to react for 3 to 4 minutes before flushing with clean water under pressure. Neutralize with an ammonia solution (½ pint per gal. of water) then flush with clean, cool water. Key all open edges, doorways and drains in order to maintain minimum overlay thickness and avoid feather edging the material. Apply a primer (Vinyl Ester Primer Quick Cure) and allow to dry for 1-2 hours.

APPLICATION: READ ALL LABELS AND SDS SHEETS. Remove all ignition sources from the work area and insure the area is properly ventilated. **Coating:** Mix 1-3 gallons of material at a time unless in a large area. Mix one gallon of resin with 1 fluid oz. of MEKP (Part B) for one minute. Add 6 fluid oz. of grey pigment and mix for 1-2 minutes. Pour mixed material onto floor and squeegee and back roll out at 100 sq. ft. per gallon. You can sprinkle aggregate into the wet resin and back roll. Allow 1-2 hours for cure, depending on temperature. For faster cure, use 1.5 fluid oz. of MEKP instead of 1 fluid oz. Repeat process for each coat. **Final coat:** Mix 1 gallon of resin with 1 fluid oz. of MEKP for one minute. Add 6 fluid oz. of grey pigment and mix for 1-2 minutes. Add 6 fluid oz. of wax solution and mix for 1 minute. Pour mixed material onto floor and squeegee and back roll out at 100 sq. ft. per gallon. You can sprinkle aggregate into the wet resin and back roll. Allow 1-2 hours for cure, depending on temperature. For faster cure, use 1.5 fluid oz. of MEKP instead of 1 fluid oz. **Pot life is 20 minutes.**

TEMPERATURE LIMITATIONS: Install and cure at temperatures between 70°F to 80°F.

CLEANUP: Clean tools immediately with a solvent such as lacquer thinner or acetone. These products may be hazardous. See the relevant SDS sheets for appropriate use.

PRECAUTIONS: READ AND UNDERSTAND ALL CONTAINER LABELS AND SAFETY DATA SHEET (SDS) before using any product. Product is intended for industrial and commercial use only. Product contains solvents which give off a styrene odor until cured. USE ONLY WITH PROPER VENTILATION. Foodstuffs must be protected by the customer, from absorbing this odor during the installation and cure. Proper ventilation to the outside is important to assist in dissipating the odor. Prolonged contact with skin can cause irritation. ALWAYS WEAR PROTECTIVE CLOTHING AND CHEMICAL SPLASH GOGGLES TO AVOID SKIN AND EYE CONTACT. Vinyl Ester Coating High Temp is **FLAMMABLE**, extinguish fires involving with foam, dry powder or carbon dioxide.

STORAGE AND SHELF LIFE: Materials should be stored at room temperature (75°F). Stored at room temperature in unopened containers, materials have a 6 month shelf life. Catalyst is temperature sensitive and can not be stored in temperatures over 77°F.

ADDITIONAL INFORMATION: For complete safety information refer to the material SDS. For additional information, contact us at 888-809-2365.

LIMITED WARRANTY: Product manufacturer warrants that the products are in conformance to the formulation standards of manufacturer and that such products are free from manufacturing defects. Purchaser's only remedy is replacement of the product. Manufacturer does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Manufacturer be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Manufacturer's products. This warranty shall not apply to any of Manufacturer's products which have been subject to alteration, abuse or misuse. Manufacturer makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Manufacturer which are used in connection with its products. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages. **CAUTION: Always keep out of the reach of children.**

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