

PRODUCT DESCRIPTION

VEG™ gelcoat is a high performance gelcoat based on a vinyl ester resin. This product is often preferred in the industrial field over alternative gelcoats such as polyester or epoxy resins. vinyl ester gelcoat (VEG™) provides extreme resistance to high deformation temperature (HDT), as well as optimal performance in repeated cycles of heating, UV light stability, and exposure to solvents and chemicals.

PRODUCT FEATURES

- Based on a premium epoxy vinyl ester resin
- Outstanding HDT resistance
- Porosity free
- High gloss retention after several production cycles
- User friendly
- ease to polish
- Good Flexibility
- Excellent UV resistance
- Controlled curing process
- Chemical resistance
- Improves gloss on finished product

PRODUCT USES

vinyl ester gelcoat (VEG™) is recommended for use in the manufacture of high quality FRP composite tooling.

PHYSICAL DATA

Chemical base	Vinylester resin
Viscosity [25°C - Spindle 4 -4 rpm]	10000-14000 mPa.s(cP)
Density	1.3-1.35 gr/cm ³
Gel time (200g -25°C - 1,8%MEKP)	12-18 Min.
Film cure (500µ -20°C - 2% MEKP)	30-50 Min.

TECHNICAL DATA

Tensile strength (ISO 527-1993)	45 Mpa
Elongation at Break (ISO 527-1993)	3 %
Heat distortion temp. (ISO 75-1993)	116
Hardness Barco (ASTM D 2583-99)	35 Min.

**Post Cure 16h at 40°C

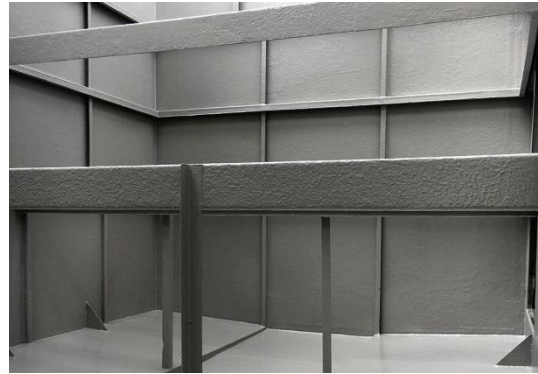
HOW TO USE

MIXING

Mix the product slowly but thoroughly for 10 minutes prior to each shift start up.

APPLICATION

- This gel coat is ready to be applied using airless spray equipment is designed for use with a roller or brush.



Vinyl ester Gelcoat - VEG™

- .Apply the correct film thickness. A wet film thickness between 0.55 to 0.85 mm is required.
- Check that the correct level of MEKP is added. The addition of 0.7% to 1.4% hardener MEKP is recommended.
- To achieve better results minimum temperature during cure and postcure should be 18°C.

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling product to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

STORAGE

- To ensure maximum stability and maintain optimum resin properties, resins should be stored in closed containers at temperatures below 24°C/75°F and away from heat ignition sources and sunlight. All storage areas and containers should conform to local fire and building codes.
- Shelf life: 4 months

CAUTION

All components of FRP systems may cause skin irritation and sensitization. Use of chemical resistant gloves is recommended. Avoid breathing vapors and dust. Get medical attention if you are breathing with difficulty. Resins products can cause strong eye irritation. Avoiding eye contact and Using safety goggles is necessary.

DISCLAIMER OF LIABILITY

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