



OceanMaster

GELCOAT 5200-8

Product Name: 5200-8

Product Group: Isophthalic NPG Polyester Gelcoat

Introduction: GH-5200-8 is a high viscosity, thixotropic prepromoted isophthalic NPG polyester gelcoat. It is designed for hand lay up application and is well suited for products exposed to water and other chemicals. GH-5200-8 meets the most stringent requirements for working properties and is formulated to give FRP products good weather and water resistant surface protection. An alternative is GH-5200-8-UV which provides excellent UV protection to enhance and prolong the shine of the gelcoat.

Performance:

Has High Impact Strength
Provides Excellent Gloss
Offers Excellent Chemical And Water
Resistance Good Sandability
Excellent Patching Capabilities
Highly Resistant to Pre-Release

Application:

Commonly used for water and chemical tank panels, marine protection, bathtubs, water tanks, outdoor weather applications, yacht, safety helmets, water and oil pipes, ash trays, septic tanks, car body, sporting equipment, concrete tanks, chairs and tables, and other household articles..... Etc.

Usage:

As with all coating, mix GH-5200-8 well before applying. It is formulated for airless spraying as supplied. Thinning is not recommended. To catalyze, use a brand of Methyl Ethyl Ketone Peroxide (MEKP) specifically designed for gel coats. Do not catalyze at levels below 1.0% or above 2.5% as this may result in curing problems or other physical defects.

- Store containers indoors or under cover.
- Normal storage area temperature should be below 30°C.
- Use only original containers full and sealed.
- Keep containers away from heating pipes or radiators.
- Use a "first-in-first-out" system of stock rotation.

Recommended Storage:

Typical storage life at temperature below 25°C is three months. Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. Keep containers sealed to prevent moisture pick-up and monomer loss. Rotate stock to ensure use within three months.



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Specifications	
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Appearance	Violet Turbid
Fineness – Hegman	5.0 min
Viscosity-Brookfield at 30 ⁰ C #4 Spindle At 60rpm, Cps	4500 - 5500
Brookfield Lvt. #4 Spindle At 6/60 Rpm	10-17
Gel Time at 30 ⁰ C	

Typical Performance Data (for guidance only)

Typical Curing Characteristics:

Typical Gel Data Room Temperature Cure At 25⁰c 1.0% Mekpo (50%)

Gel time, mins.	18
Gel to peak exotherm, mins.	20
Total time to peak exotherm, mins.	35
Peak exotherm temperature, ⁰ C	150 ⁰ C

Typical Physical Properties Of Cured CastinGH:

Barcol hardness	45	(ASTM D2583-67)
Tensile strength, kg/cm ²	500 – 600	(ASTM D638-72)
Tensile Modulus, kg/cm ²	5.0 x 10 ⁴	(ASTM D638-72)
Elongation %	2.5	(ASTM D638-72)
Flexural strength kg/cm ²	980	(ASTM D790)
Flexural modulus, kg/cm ²	4.5 x 10 ⁴	(ASTM D790)

SAFTETY

Read and understand the material safety data sheet before working with this product. Obtain a copy of the MSDS on this product prior to use. MSDS is available from Wee Tee Tong Chemicals Pte Ltd or your nearest sales representative.

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