

PRODUCT CODE: C410105

PERFORMANCE NZ BRUSH WHITE GELCOAT is a highly durable, brushing grade Gelcoat that exhibits outstanding performance and handling properties.

The major features of this gelcoat are:-

- Excellent application characteristics
- Good UV & weather resistance
- Suitable for application across a wide range of workshop conditions

FEATURES

- Excellent flow/levelling properties
- Rapid air release
- Highly resistant to pre-release
- good sag resistance
- Highly resistant to tripping/wrinkling
- Excellent interlaminar adhesion
- Excellent UV Resistance

BENEFITS

- Easy control of film thickness
- Minimises air entrapment
- Improved part quality
- Provides a more consistent film thickness
- Increased tolerance to application variability
- Incidences of delamination are minimised
- Reduced surface discolouration and yellowing on outdoor weathering

The features combine to facilitate production of high quality parts.

TYPICAL LIQUID RESIN PROPERTIES @ 25°C

PROPERTY	TYPICAL VALUE
Viscosity	480 - 600cP
Cone and Plate, Cps	
Brookfield	
RVT spindle 5@10rpm	6500 - 8500 cP
RVT spindle 5 @ 100rpm	1400 - 2300 cP
Geltime (minutes)	10 - 15
1.0% NR20 MEKP Catalyst	
Specific Gravity	1.3
Flash Point (Seta Flash)	31°C

Typical values: Based on materials tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

TYPICAL CAST UNFILLED RESIN PROPERTIES (fully postcured)

PROPERTY	TYPICAL VALUE	TEST DETAILS
Density	1.16 gcm ⁻³	ISO R1183-1970
Flexural Strength	110 MPa	ISO 178-1975
Volume Shrinkage	7 – 8%	ISO 3521-1976
Heat Distortion Temperature	80 - 85°C	ISO 75-1974
Barcol 934-1 Hardness	40 - 45	Barcol Impressor

Typical properties should not be taken as specifications

APPLICATION GUIDELINES

Temperature	15-30°C
Catalyst Level (MEKP; 9% Active Oxygen)	1.5 – 2.5% v/w
Film thickness (wet) – apply 2 to 3 passes	25 – 30 thou

- (A) It is not recommended to exceed a catalyst level of 3.0% (v/w).
- (B) Spraying in 3 or 4 passes minimises porosity/ air entrapment. This results in better part quality and performance.

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum gelcoat handling properties, Aquaguard gelcoats should be stored in closed containers below 25°C, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored gelcoat quantities should be kept to a reasonable minimum and used on a first in / first out stock rotation basis. Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the gelcoat before use is recommended. Best if used within 4 months from date of manufacture.

STANDARD PACKAGING

Mild steel pails (20kg)

Always refer to the MSDS before use.