

PRODUCT CODE: C411300

AQUAGUARD® XT WHITE is a white, pre-accelerated unsaturated polyester spray gelcoat which is based on a new Neopentyl glycol (NPG) polymer.

AQUAGUARD® XT WHITE has been formulated to give excellent durability properties namely weathering resistance and gloss retention, which is specially developed for the transport industry.

FEATURES

- Pre-accelerated
- Excellent weathering
- Rapid air release
- Good flow properties
- Highly resistant to pre-release
- Good sag resistance
- High gloss retention
- Excellent atomisation and general spraying characteristics

BENEFITS

- Require only the use of a catalyst to start the curing process
- Improved article longevity
- Minimises' air entrapment
- Excellent levelling properties
- Improved part quality
- Provides a more consistent film thickness
- Superior appearance of article during its service life
- Easy to apply with industry standard spray equipment

SUGGESTED USE

AQUAGUARD® XT WHITE is designed for use in all general purpose manufacturing where a high quality spray grade is required. Due to its superior weathering properties AQUAGUARD® XT WHITE is highly recommended for use in the manufacture of truck body panels.

RECOMMENDED CATALYST

The use of 2% MEKP NR20 is recommended for all general purpose applications.

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	White, Opaque liquid
Viscosity@ 25°C, Brookfield RVT 4/5	13000 - 15000 cP
Geltime@ 25°C 2% MEKP Curox NR20, (minutes)	10 – 14 (winter) 14 – 18 (summer)
Volatile Content	34 - 36 %
Shelf Life	3 months minimum at temperatures below 25°C and stored away from any heat sources

	and sunlight
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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 RESIN PROPERTIES - BASE RESIN

PROPERTY	TYPICAL VALUE	TEST DETAILS
Hardness	40 BHU	Barcol (GYZ 934-1) EN 59
Density	1.15 g/cm³	ISO R1183
Heat Deflection	85°C	ISO 75

APPLICATION GUIDELINES

Plan a course of action prior to starting. Ensure the gelcoat has been properly stirred prior to using. Position the correctly prepared and cleaned mould for easy access. Trigger the gun off the mould. Apply the gelcoat evenly with overlapping strokes and to the correct thickness. This should ideally be achieved in 3 passes. Always use a wet film thickness gauge to measure an even coverage of 24 to 30 thou (approximately 0.6 to 0.75mm).

Application Temperature Range:	15 - 30°
Catalyst Level (MEKP: 9% Active Oxygen):	1.5 - 2.5% v/w (volume of catalyst on weight of gelcoat)

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum gelcoat handling properties, gelcoats should be stored in closed containers, away from heat sources and sunlight. The gelcoat 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.

STANDARD PACKAGING

Mild steel drums (225kg)

Refer MSDS before use

