

PRODUCT CODE: C411050

Aquaguard® XL Gelcoats comprise a range of cosmetic finishes exhibiting a unique depth of appearance, combined with iridescent and metallic lustre effects.

They provide a highly decorative and reflective surface, with superior protective performance to maintain cosmetic appearance over many years. These highly durable gelcoats exhibit outstanding weathering and fade resistance properties.

The major features of these gelcoats are:

- Highly decorative, reflective finish
- Gelcoat is specially formulated as a one-step application spray system
- High UV, weathering and fade resistance

FEATURES

- One coat application spray system
- Highly resistant to settling
- Good sag resistance
- Highly resistant to tripping/wrinkling
- Excellent UV resistance
- Good gloss retention
- Excellent chemical and fade resistance

BENEFITS

- Simple, straight forward application resulting in productivity improvements
- Unique appearance, market advantages
- Minimal separation on storage
- A more consistent film thickness
- Increased tolerance to application variability
- Articles retain their original colour and gloss for longer
- Superior appearance of article during its service life
- Products retain their original appearance for longer

Note: Over time, with increased exposure to climatic/chemical conditions some lightening of colour and reduction in reflective properties of this product may occur.

TYPICAL LIQUID RESIN PROPERTIES @ 23°C

PROPERTY	TYPICAL VALUES *	TEST DETAILS
Gel time	9 – 15 minutes	2% v/w MEKP NR20 **
Viscosity	16000 - 20000 cP	Brookfield RVF sp 4/4 rpm
Specific Gravity	1.1 - 1.15g cm ⁻³	
Shelf Life	4 months	When stored in original closed container in the shade

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

*Typical values: Based on materials tested in our laboratories..

**Catalyst used for QC testing.

APPLICATION GUIDELINES

Temperature	15 - 30°C
Catalyst Level (MEKP NR 20)	1.5 - 2.5% v/w
Film Thickness (wet apply 3 to 4 passes)	25 – 35 thou

ADDITIONAL INFORMATION

SWIMMING POOL APPLICATIONS

During the development of AQUAGUARD® XL Gelcoat, the product was tested to demonstrate capability to meet the critical requirements of Australian Standard AS1838, indicating suitability for use as a surface finish in FRP swimming pool constructions, utilizing standard salt water chlorination systems. As part of this R&D program, well cured panels faced with AQUAGUARD® XL Gelcoat were also subjected to accelerated chlorine exposure tests. Based on the resulting performance data, these gelcoats are regarded as suitable for use in FRP swimming pool and spa constructions, fitted with standard chlorination filter systems, and operating at ambient temperatures.

AQUAGUARD® XL Gelcoat is not recommended for use in elevated temperature pool or spa applications where the surface finish will be subjected to continuous, long term exposures to treated pool water above 32°C. Irrespective of operating water temperature, the chlorine level should be maintained in the ideal range of 1.5 – 2.5 ppm, and a maximum level of 5 ppm should not be exceeded. pH must also be maintained in the ideal range of 7.2 – 7.4.

AQUAGUARD® XL Gelcoat has not been qualified for use in applications involving the use of alternative sanitiser systems such as ozone generators and the like. Note: Over time, with increased exposure to climatic/chemical conditions, some lightening of colour and reduction in reflective properties of the cured Gelcoat – may occur.

Due to the technical nature of the pigments used in these products, customised appearance and cosmetic effects can be achieved depending on application variables, such as spray pressure.

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, Gelcoat should be stored in closed containers, away from heat sources and sunlight. The product be stored away from all sources of ignition. Stored resin 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 (open top; 200kg)
Mild steel pail (20kg)

Refer MSDS before use