

Firwood 680

Chlorinated Rubber Finish

Description	A chlorinated rubber finish coat for steel, or a primer/finish for concrete substrates such as swimming pools.
Finish	Semi-gloss.
Features	<ul style="list-style-type: none"> • Designed for use as a finish coat for steelwork where a chlorinated rubber paint system is required – for example, in chemical atmospheres. • Also used as a complete system for concrete ponds and swimming pools, or as a top coat over previous sound chlorinated rubber coatings. • Suitable for long term immersion in water with either slightly acidic or slightly alkaline properties. • Designed for use with other Firwood chlorinated rubber coatings.
Complies With	2004/42/EC (2012) sub-category A(i) - VOC level below 500 g/l.
Product Code	680- .
Volume Solids	38% ± 2%.
VOC's	Below 500 g/l.
Colour Range	Wide shade range available.

Film Thickness & Coverage	Typical:	<u>Dry</u> 25 µm	<u>Wet</u> 66 µm	<u>Theo. Coverage</u> 15.2 m ² /l
	Actual coverage varies considerably with factors including surface porosity, roughness, application methods and conditions.			
Drying & Overcoating Times at Typical DFT		<u>10°C</u>	<u>20°C</u>	<u>30°C</u>
	Surface Dry:	1 h	30 min	15 min
	Hard Dry:	4 h	2 h	1½ h
	Overcoat Min:	24 h	16 h	12 h
	Overcoat Max:	Indefinite	Indefinite	Indefinite

Pools: leave at least 3 days at 20°C after the final coat before filling with water. For ambient temperatures below 10°C, extend this time to at least 7 days.

Drying and overcoating times can be greatly affected by method and conditions of application such as thickness applied, temperature, ventilation etc. Data above are given as a guide.

TECHNICAL DATA SHEET**Firwood 680****Chlorinated Rubber Finish****Surface Preparation**

- All surfaces to be coated should be dry and cleaned as necessary to remove all dust, dirt, grease or other contamination.
- **Concrete:** do not apply to newly laid concrete. Concrete surfaces to be coated should be at least 4 weeks old and have a moisture content of less than 7%.
- Very smooth concrete or concrete with surface laitance should be treated with a proprietary acid etch solution to ensure good adhesion. Acid etched areas must be thoroughly washed down and allowed to dry before coating.
- **Previously painted surfaces:** it is advisable to test the coating on a small area first, to check compatibility with previous coatings. Clean the test area, then apply a single coat of Firwood 680. After drying, check that no lifting has occurred and good intercoat adhesion exists between the old and new paint.
- Previously painted surfaces should be thoroughly abraded to improve adhesion and to remove any weak or loose material. All cracks, voids or holes should be filled with a cement-based filler. These repairs should be treated as bare concrete and spot primed. Wash old coatings with a detergent solution to remove any remaining contamination, including body fats which collect at the waterline. Finally, thoroughly wash with fresh water and leave to dry completely before painting.

Mixing

Thoroughly stir the coating before use. A power mixer is highly recommended. A wide-bladed stirrer is essential for adequate mixing if only hand stirring. Stir occasionally during use to maintain an homogenous mix.

Mix Ratio

Not applicable – single pack product.

Application Conditions

Throughout the application and the drying/curing time of coatings: (a) good ventilation is required; (b) do not apply when damp weather conditions are likely; (c) the substrate temperature should be at least 3°C above the Dew Point; and (d) the RH (Relative Humidity) should be below 85%. It is advisable not to apply the product when the ambient temperature falls below 5°C. The paint temperature at the time of application should ideally be 15° - 20°C.

Application Details

- Designed for application by brush, short pile roller or airless spray.
- Avoid application of coating in hot direct sunlight, as this may lead to blistering.
- On prepared, bare concrete the first coat should be thinned by approx. 10 - 20% with Firwood 143 Thinners, to act as a sealer coat. A second, unthinned coat can then be applied after the minimum overcoating times shown.
- On previously painted surfaces, for best performance it is recommended that two thin coats be applied, rather than one thick coat.

Product Notes

- Avoid impact of the painted surface with items that may scratch or chip the pool coating. If cleaning the pool with a power washer, hold the lance at least 12" from the surface and keep moving the water spray. Do not use steam cleaners. The repeated use of chlorine shock treatments may cause colour changes around the water line of the pool.
- Anti-slip additives are recommended to be mixed with the final coat of paint prior to application, for the walk-in areas of swimming and paddling pools. Please consult Trimite for details.

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Thinner/Cleaner	Firwood 143 Thinner.
SG	1.15 ± 0.15 kg/l.
Flash Point	23° – 60°C.
Shelf Life	Minimum of 2 years from date of manufacture when correctly stored in unopened containers.
Storage	The product should be stored in cool, dry, frost-free conditions, in sealed containers. Most paint materials will apply optimally when at 15° - 20°C.
Health & Safety	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
Date of Issue	Sep 2021.

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