



0686 2K CLEAR

MAY 2015

2K Acrylic Polyurethane

Product Data

A two pack polyurethane, based on acrylic resin.

- Very fast drying
- Excellent wet and dry heat resistance
- Very good mar resistance
- Excellent chemical / solvent resistance
- Excellent abrasion resistance
- Available in 10% & 30% gloss levels.

Testing in accordance with ISO 5660 Parts 1 & 2

- The 686 2K CLEAR applied over 685 SEALER on Standard 12mm MDF board achieved the following result:

Building Code Document	Group Number Classification
NZBC Verification Method C/VM2 Appendix A	3

A full description of the test specimen and the test results are given in BRANZ Test Report:

Fire Test FH 5633-TT Test dates 7,13 and 17 November 2014

Uses

0686 is a high quality finish for furniture, toys, shop fittings, doors, cabinets, desks, panelling, partitions and most interior woodwork.

Ideal for use in bathroom and kitchen areas. NOT for external use.

Packaging

0686A – 20L
0686B – 4L

Substrates & Surface Preparation

Can be applied over suitably sealed

Wood

Thinning and Clean Up

Once catalysed, thin as follows:

Normal / Warm Conditions: Add 25-50% 140.

Warm / Humid Conditions: Add 25-50% of a 9:1 blend of 140 Reducer:539R Acrylic Retarder.

Amount of thinning varies, depending on colour and gloss level.

Clean gun and equipment with 140 Reducer or 684 Reducer.

Application

Spray – conventional.

This product should be layered up at approximately 50 microns WFT per application until required WFT is achieved.

Best results are obtained over a 2 pack polyurethane primer / sealer. Do NOT use over N/C primer / sealer.

Drying

Dust free: 30 mins

Touch dry: 45 mins

Dry to tape: 4 hours

Hard dry: 16-24 hours

Recoat time: Wet on wet – under 2 hours, or after 24 hours – with sanding.

Theoretical Coverage

Approximately 5 sq. m/litre @ 50µm DFT

Practical coverage rates will be lower than theoretical and this must be taken into consideration when calculating costs.

Mixing Ratio

Mix 4L 686A with 1L 686B Hardener

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

Health & Safety

Avoid breathing vapour. Use with adequate ventilation. High concentrations of vapour may cause headache or nausea, affect the nervous system and respiration.

Do not use in the presence of naked flame or other sources of ignition. Store away from heat.

Wear safety glasses/goggles, an air supplied respirator or hood and PVC or nitrile chemical handling gloves.

If spraying in a confined area, a positive pressure air respirator should be worn.

Store/dispose of residues in accordance with local body regulations.

First Aid

If poisoning occurs, contact a doctor. The Poisons Information Centre may be of assistance – telephone 0800 POISON (NZ), 13-11-26 (Australia).

If swallowed, do NOT induce vomiting. Give a glass of water to drink and get medical attention urgently. If affected by vapour, get into fresh air immediately. If splashed into the eyes, flush them with copious quantities of clean water for 15 minutes and get urgent medical attention.

If splashed onto skin, wash with soap and water.

For further information, refer to the Material Safety Data Sheet for this product.

CAUTION:

Improper use and handling of this product can be hazardous to health.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapour concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG Industries makes no recommendation about the types of safety measure that may need to be adopted because these depend on application environment and space, of which PPG Industries is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

This product is for professional use only. Not for residential use.



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Substrate Systems

Preparation

Wood – Sand and dust down

Substrate / Recommended System	WFT / DFT (Microns)	Overcoat Time @ 20 Degrees C	Overcoat Preparation
WOOD			
1 st coat 0685 2K SEALER	75-180 / 30-75	16-24 hours	Sand 360
2 nd coat 0686 2K CLEAR	135-160 / 50-60		

WFT = Wet Film Thickness

DFT = Dry Film Thickness

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