



# 745 MULTICURE

JULY 2015

## UV cured Wood Finish

### Product Data

This coating is designed for spray application on flat panels, under normal UV lamp setting, as recommended under the Application Process Specifications.

Shelf life – 1 year in original, unopened pails.

#### Uses:

For kitchen and bathroom cabinets, furniture including bedroom and lounge furniture, picture and mirror frames, partitioning and most interior woodwork.

#### Colour Availability

Variable – pastel to dark shades, plus white

#### Gloss

Available in a range of gloss levels to customer requirement.

#### Packaging

745 20L

#### Substrates

MDF, moulded polyurethane foam, pine, veneer and other hard timbers.

#### Total Solid Content

53% (wt), 42%(vol)

#### Surface Preparation

Sealed (if necessary) and sanded in accordance with standard UV protocol.

#### Thinning and Clean Up:

Thinning not normally required. 0140 may be used sparingly to adjust viscosity to 20-22 secs F#4. Clean up with 0140.

#### Application

##### Process Specifications:

- \* Fast Curing under UV lamps
- \* High flexibility, better adhesion, enhanced mechanical &

- chemical resistance

- \*Tack-free edges with good coverage

- \*Good hiding power with some difficult to cure UV colours

##### Spray Settings:

Air assisted airless spray guns – Air pressure 1.5 bar through a

0.006" to 0.009" tip

DFT – 60 microns maximum per coat

##### Oven settings:

35°C

##### UV Settings:

Line Speed – 6m/min

Lamp Power – 80watts/cm

##### Lamp Settings:

First Coat : One Ga Lamp

Second Coat : One Ga Lamp, if surface cure is not 100% use

one Hg lamp with 80Watts/cm after Ga lamp

It is recommended to sand the first coat for better inter-coat adhesion.

## Theoretical Coverage

7.5sq.m/L per coat: 1<sup>st</sup> - 45-55um, 2<sup>nd</sup> – 45-55um

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

## 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.*



# 745 MULTICURE

## Substrate Systems

### Preparation

### Wood/MDF – Sand and dust down

Substrate/Recommended System	WFT/DFT (Microns)	Overcoat Time @ 20degC	Overcoat Preparation
WOOD/MDF 1 <sup>ST</sup> Coat: 745/20030 2 <sup>nd</sup> Coat: 745/20030	80-100/45-55 80 -100/45-55		Sand 400/600

WFT = Wet Film Thickness

DFT = Dry Film Thickness

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.

PPG Industries NZ Ltd • 5 Monahan Road • Mt Wellington • Auckland • Phone 0800-263 766 • Fax 0800-659 377