



# 789 ENVIROCURE CLEAR

JULY 2015

## UV-cured Wood Coating

### Product Data

Envirocure UV finish coatings are fast cure, with good coating productivities, minimal paint waste, processing advantages compared to many other coating technologies. These coatings are designed for spray application on flat panels, under normal UV lamp setting, as recommended under the Application Process Specifications.

Added advantages include tack-free edges on coated panels, and tack-free booths for easier cleaning maintenance.

\*Fast curing under one 80W/cm UV lamp

\*Smooth and silky feel

\*Excellent non yellowing properties

\*Resistant to chemicals and scratching

Shelf life – 1 year in original, unopened pails.

### Uses:

As a finish on stained and unstained timber substrates for kitchen, bathroom and lounge furniture, picture and mirror frames, partitioning and most interior woodwork.

### Colour Availability

Clear – G30

Selected colours (on request) – G30

### Packaging

Available 20L, 210L

### Substrates

Stained and unstained Pine, Veneer, and other hard timber surfaces.

### Surface Preparation

Sealed and sanded in accordance with standard UV protocol.

### Thinning and Clean Up:

789 is RFU with a supply viscosity of 23 secs F#4. Thin sparingly only as required with 140 Ester thinner. Clean up with TBA.

### Application

PROCESS SPECIFICATIONS:

#### Spray Settings:

Air assisted airless spray guns  
– Air pressure 1.0 – 1.5 bar through a 0.006" to 0.009" tip  
– Fluid pressure approximately 2.0 bar

DFT – 25 microns maximum per coat

#### UV Settings:

Line Speed – 3.5m/min

Lamp Power – 80W/cm

Lamp Settings: (Clear)

First Coat – One Ga Lamp

Second Coat – One Ga Lamp with sanding between coats.

Lamp Settings: (Pigmented)

First Coat – (Applied over 787 Envirocure)

Second Coat – Two Ga Lamp with sanding between coats.

Note: In addition to Ga lamp, 80W/cm Hg lamp may be used to get better surface cure of the second coat on stained boards.

### Coverage

6-8sq.m/L @ 20um DFT

Actual coverage rates will depend on application equipment, 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.***

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