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**PRODUCT: 230DC DURACAT**

**PRODUCT NUMBER:** 230DC- plus four figure prefix-denoting colour

230DC-0001 Duracat Acid Catalyst Part B

**DESCRIPTION:** 230DC Duracat is a two-pack acid catalysed clear coating, which exhibits superior chemical, abrasion and wet heat resistance when compared to conventional lacquer systems.

**PROPERTIES:**

- Excellent build
- Excellent flow
- Fast cure, excellent sanding and recoating properties
- Excellent Chemical resistance properties
- Yellowing typical of Nitrocellulose modified lacquers
- Low odour
- Self sealing

**USES:** Quality furniture where properties such as appearance, build and feel must be of the highest standard. Office/school furniture, shop fittings, kitchen cupboard doors and most Interior woodwork.

**APPLICATION:** Timber must be of suitable grade for furniture manufacture with a moisture content not exceeding 12%. Timber must be prepared and sanded with at least 180 grit paper ready for application of surface coatings. Avoid applying coatings over oily timbers or knots containing sap, a suitable barrier coat may be necessary to avoid delamination or discolouration of topcoats.

**SYSTEMS:** NATURAL

1/ Spray one double-header coat of Duracat and allow curing for 2 hours.

Sand with 320-grit paper and dust off.  
Spray final double-header coat of 230 Duracat at desired gloss level.

2/ Spray one double-header coat of 205PC Precat Sealer or 225DS Duraseal and allow for 2-hour ambient cure. Sand with 320-grit paper and dust off.

Spray one double-header coat of 230DC Duracat at desired Gloss level and allow 2hrs cure.

Spray a second coat of 230DC Duracat if required.

## STAINED

- 1/ Stain with spirit based stains 130, 140, or 150 wiping stain of appropriate colour and allow drying for the recommended time.  
Spray one double-header coat of Duracat and allow approximately 2 hours curing time.  
Sand with 320-grit paper and dust off.  
Spray final double-header coat of 230 Duracat at desired gloss level.
- 2/ Stain with spirit based stains 130, 140 or 150 Unistain of desired colour and allow drying the recommended time.  
Spray one double-header coat of 205PS Precat Sealer or 225DS Duraseal and allow 2 hour ambient curing time.  
Sand with 320-grit paper and dust off.  
Spray double-header coat at desired gloss level with 230DC Duracat.  
If another coat is desired after 2hrs cure, sand with 320 – 400 grit paper and topcoat with 230 Duracat.

### **MIXING RATIO:**

Mix 20 parts 230DC Duracat to 1 part Duracat catalyst 230DC-0001 acid catalyst by volume.

### **Caution:**

Over catalysing will not improve the rate of cure but may cause film defects or discolouration of substrate.

### **APPLICATION:**

Duracat is suitable for spraying with a conventional gun at an atomizing pressure of 350 kPa. Also suitable for application by air assisted airless or pressure pot. Flush all lines prior using and on completion of work. Excessive film builds in cold weather may cause sagging and runs. Lowering the pot pressure may assist in minimising this problem.  
Do not use below 10 deg C or above 85% relative humidity.

### **POT LIFE:**

24 hrs @ 25 deg C.

After this period discard unused material.

### **THINNING:**

Thin catalysed material up to 30 % by volume using Universal Reducer101UT-0002.

### **CLEANING:**

Lacquer thinner 101LT-0001.

### **NOTE:**

Although Duracat has very good water and steam resistance, it is not recommended for coating horizontal surfaces constant contact with water such as kitchen bench tops and vanity bench tops in bathrooms or laundries. In such severe cases two-pack polyurethane is the preferred coating. Do not apply over non-recommended conventional type single pack sealers as this may cause frying to occur under adverse conditions. 225PS Precat Sealer or 230DS Duraseal may be used successfully as a single pack sealer for Duracat, refer to application systems. Acid catalysed lacquers may have an adverse effect on certain exotic species of timber/veneer, it is therefore advisable to pre-test the lacquer on a sample piece prior to use. Not recommended for use on aluminum, brass or materials that may be sensitive to attack by acid.

### **HEALTH AND SAFETY:**

Duracat contains highly flammable solvents, keep away from naked flame or heat source. Use in a well-ventilated area; wear Australian Standard approved organic vapour respirator. When applying in confined spaces, use an airline respirator. Avoid contact with skin, wear protective clothing. If skin contact occurs, wash with soap and water. If contact with eyes occurs wash with copious amounts of water and seek medical attention.

For more detailed information refer to the Safety Data Sheet.

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**Gloss levels %:** 15, 40, 60, and 100

#### **Drying time @ 25 °C:**

Dust free: 10 – 15 min

Print free: 20 – 30 min

Sanding: 2 hours

Hard dry: 24 hours

Full Cure: 7 Days

#### **Recoating time:**

Air dry: 2hours @ 40 micron DFT

Force dry: 20min @ room temperature,  
followed by

30 min @ 40 °C or

20 min @ 50 °C

**Shelf life:** 12 months minimum

**Durability:** Excellent interior use

#### **Film properties:**

Abrasion resistance: Excellent

Heat resistance: Excellent

Water & steam: Very Good

Stain resistance: Very Good

Chemical Resistance: Excellent