

ICA BI-COMPONENT POLYURETHANES

A polyurethane coating is a highly resistant film made from the cross linking of alkyd (glycerophthalic), saturated polyester and acrylic resins, with OH groups which react with polyisocyanates.

ICA polyurethanes are world renowned for giving a truly top class finish. Whether looking for mirror-like high gloss, dead flat matt or anything in between, ICA polyurethanes can give you what you and most demanding clients dream of with less expense and effort than you probably realize.



	N/C	PRE-CAT	CONVERSION	PU
GENERAL DURABILITY	4	3	2	1
STAIN RESISTANCE	3	2	2	1
HEAT RESISTANCE	5	4	3	1
MOISTURE RESISTANCE	3	2	2	1
SOLVENT RESISTANCE	5	4	2	1

Key: 1= excellent, 5= poor

These results were obtained in our laboratory and are similar to AWI standards as described in the Architectural Woodwork Quality Standards of 1997 (Section 1 500 - G - 7 & G4).

FEATURES

- Easy to use - any conventional spray method, roller or curtain coater
- Superb scratch, mar and chemical resistance
- Full fill without fear of checking or cracking
- Almost no shrink back when compared to conventional systems
- Excellent clarity
- High solid - 42-65%
- HAPS compliant
- Clear, tinted and solid colours available
- Versatility
- Flexibility
- Completely formaldehyde free, extremely low DIS levels
- Can be sprayed electrostatically



BENEFITS

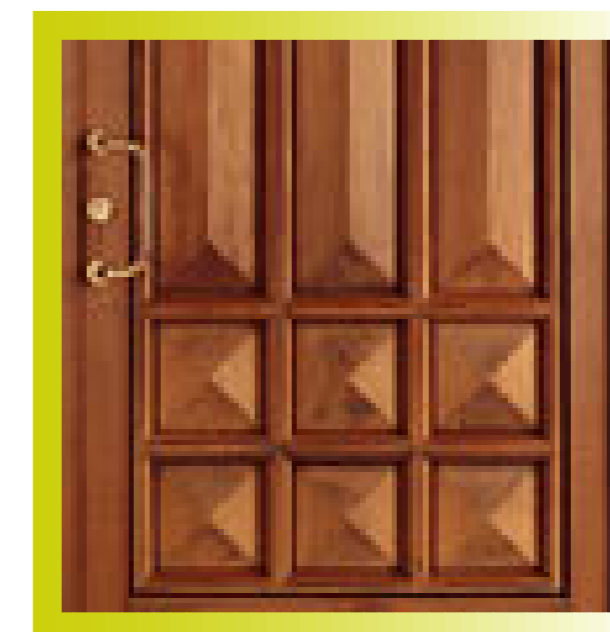
- Can be used for open pore through to full fill finishes
- Protects against spills and scratches
- Over 2000 formulated colours in a variety of sheens including full gloss and matte
- Deep, vibrant colours and whites obtainable
- High solids means fewer coats, lower vocs
- Extremely cost effective
- Pleasant hand feel will draw surprised exclamations from your clients
- No lingering smell
- Suitable for both production line and custom work
- Years of wear without need of touch ups - although touch ups are not difficult

TYPICAL APPLICATIONS

Due to its versatility, anywhere the beautification and protection of wood is paramount. Polyurethane lends itself especially to applications where a durable, resistant and stable finish is required, such as office, public building and kitchen furniture.

ICA produces a wide range of products suitable for every wood-working need-whether matte or gloss, full fill or open pore, "water white" clears or solid colour. Our polyurethanes in particular will give you excellent results using simple application procedures.

Unlike many coatings, polyurethanes can be built coat after coat to achieve a closed pore, full fill without fear of checking or delaminating, as long as basic procedures are followed. Polyurethanes can also be left for a period, then sanded and top coated at a later date. True high gloss (over 95% at 60 degrees) and pure brilliant colours further differentiate the look of these products.



To ensure optimum results with ICA polyurethane products, we list a few simple precautions:

- 1 Ensure nozzle size and air pressure are suitable (typically 1,8 - 2,2 mm for conventional equipment)
- 2 Use only D1010, D1015, or D1024 as reducers
- 3 Catalyse accurately (frequently 2:1)
- 4 Do not rush sanding and drying times
- 5 Avoid excessively heavy coats especially on the first coat and on hot or humid days
- 6 Ensure there is no moisture or other contamination in the air lines
- 7 Check adhesion prior to commencing a project
- 8 Verify whether a standard or non yellowing catalyst is required



■ VERNICI PER LEGNO ■