

## TECHNICAL DATA SHEET

# UNITHANE® 655W55 MY

*Modified alkyd*

### PRODUCT APPLICATION DETAILS

UNITHANE® 655W55 MY is an urethane alkyd designed for use in clear and pigmented finishes as the sole medium or in combination with long oil alkyds.

UNITHANE® 655W55 MY can be used in decorative gloss or eggshell finishes and should comprise between 20-50 % of the media, the balance being a suitable long oil alkyd. In thixotropic decorative gloss and eggshell finishes, similar percentages can be used.

In floor varnishes and related finishes, UNITHANE® 655W55 MY is recommended for use as the sole medium.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	54 - 56	ISO 3251
Viscosity (25°C, Gardner)	XY - YZ	Gardner-Holdt
Color (Gardner)	Max. 6	ASTM D-1544
Acid value (mg KOH/g)	Max. 3	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	White Spirit	-
Density (25°C, g/mL)	0.92	-
Fatty acid type	Soya Bean Oil	-
Fatty acid content (%)	61	-
Modification	Urethane	-

<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

### MARKETS

#### Coatings & Inks

- Architectural Coating
  - Deck Restoration
  - Stains
  - Trim
- Industrial Coating
  - General Industry
  - Protective And Marine Coating
  - Wood Furniture
  - Wood Parquet

### PERFORMANCE BENEFITS

- Fast drying time
- Good abrasion resistance
- Excellent gloss retention

# UNITHANE® 655W55 MY

## FORMULATION GUIDELINES

### DRIERS

UNITHANE® 655W55 MY can be formulated to produce air drying paints when suitably modified with the following drier metals: cobalt: 0.05%, calcium: 0.2%, zirconium: 0.15% as % metal on solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.  
The use of antiskinning agent is essential to prevent in-can skinning of the finished product.

### SOLUBILITY

UNITHANE® 655W55 MY is soluble in aliphatic and aromatic hydrocarbons, esters and ketones.

### COMPATIBILITY

UNITHANE® 655W55 MY is compatible with medium and long oil alkyds and thixotropic resins.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

UNITHANE® 655W55 MY should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.  
In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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