

CRAY VALLEY

COATING RESINS

TECHNICAL DATA

SYNOLAC655W(55%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	53 - 57
Viscosity in CPS at 25°C (Straight) (By Brookfield Viscometer Spindle No.4 RPM20)	1500 - 3000
Colour, Gardner scale (ISO 4630)	≤ 6 Gardner
Acid value, mg KOH/g (ISO 3682)	≤5

OTHER PROPERTIES

Volatile	MTO
Non-volatile content, % @ 150°C	55
Flash point, °C (ISO 3679)	37
Density at 20°C (ISO 2811)	0.98
Oil or Fatty Acid Type	Linoleic
Oil Length in %	61%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

UNITHANE 655W(55%) UNITHANE 655W(55%) is a Long oil Urethane alkyd resin ; which is made in combination with Pentaerythritol. UNITHANE 655W(55%) is specially recommended where the choice is of air drying paint or lacquer which is having good abrasion resistance good colour retention, good gloss retention even by adding very small proportions. This resin is available in 55% solids. Particular advantage gained by using this resin include:

- Excellent colour and colour retention.
- Excellent Gloss and gloss retention.
- Good abrasion resistance.
- Good hardness.
- Good rapid drying.

Solubility:

UNITHANE 655W(55%) is completely soluble in aromatic and aliphatic hydrocarbons , ketones and esters. It does have solubility in alcohols butanol, isopropanols.

COMPATIBILITY : UNITHANE 655W(55%) is compatible with all long And some medium oil alkyd resins. It is not compatible with short oil alkyds chlorinated rubber, NC resins, and vinyl resins.

Recommendations:

In air drying systems 0.05%CO, 0.15%Zr, 0.2%Ca, calculated as metal on solid resins content are recommended in air drying systems.

S.D. - 15 Mins.
T.D. - 65 Mins.
H.D. - O/N

Uses:

UNITHANE 655W can be used in decorative gloss or eggshell finishes and should comprise between 20-50 percent of the media the balance being a suitable long oil alkyd. In thixotropic decorative gloss and eggshell finishes, similar percentages can be used. Abrasion resistant and rapid drying finishes are obtained, with a durability, pigment wetting and non-chalking characteristics of the alkyd resin being retained by adding this resin. In floor varnishes and related finishes. UNITHANE 655W is recommended single packed wood finish.

UNITHANE 655W(55%) should only be used in applications Consistent with the above recommendations. Proposals to use resin in other Way should be discussed with the Cray Valley before any action taken.