

## COATING RESINS

### TECHNICAL DATA

### SYNOLAC700W(60%)

#### SALES SPECIFICATION

Non-volatile content, % @ 150°C	58 - 62
Viscosity in CPS at 25°C ( Straight ) (By Brookfield Viscometer Spindle No.4 RPM 20 )	300 - 600
Colour, Gardner scale (ISO 4630)	8 Gardner / 2PRS
Acid value, mg KOH/g (ISO 3682)	7 Max.

#### OTHER PROPERTIES

Volatile	MTO
Non-volatile content, % @ 150°C	60
Flash point, °C (ISO 3679)	38
Density at 20°C (ISO 2811)	0.95
Oil or Fatty Acid Type	Special
Oil Length in %	46%

Note –Acid Value quoted relative to solid resin

#### Product Information :

**SYNOLAC 700W-60** SYNOLAC 700W-60 is an air drying Silicon modified isophthalic alkyd resin which is made in combination with Pentaerythritol designed for use in high durability exterior marine and decorative maintenance finishes. Typical applications are long life coating on masonry and plaster, and structural steel and exterior cladding repair coats where the following benefits can be achieved :-

- Excellent weather resistance for longer duration
- Low dirt retention
- Good brushing and drying characteristics
- Low Viscosity
- High Build
- Non yellowing

#### Recommendations For Use :

**SYNOLAC 700W-60** can be formulated to produce high quality air drying paints when suitably modified with the following drier metals:

0.03 – 0.05% Cobalt and 0.1- 0.2% Zirconium, 0.1% Ca both as % metal on solid resin. Drying properties with these driers will be as follows.

S.D. --- 2 Hrs.  
T.D. --- 8-9Hrs.  
H.D. --- O/N

#### Solubility

Completely soluble in aromatic and aliphatic hydrocarbons , esters and ketones. It is having limited solubility in alcohols.

#### Compatibility

Compatible with most medium and long oil alkyds ; excessive Additions will reduce the weather resistance.

**SYNOLAC 700W(60%)** 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.