



## Technical Data Sheet

**ThermaCril 510 60%** ( Formerly N – 538 60% )  
*Thermo Plastic Acrylic , Xylene Soluble*

### **Technical Description :**

Thermoplastic Acrylic Resin

### **Characteristics & Advantages :**

- High glass transition temperature (Tg) with high viscosity
- Very fast physical drying
- Very good adhesion on asphalt, concrete and stones
- Very good abrasion resistance
- Very good alkali and humidity resistance
- Very good exterior and interior durability

### **Applications :**

- High quality road marking paints
- Offers good adhesion to light reflecting glass beads
- Paint and varnish for facades, swimming-pools, garages, floor markings etc

<b><u>Physical Properties :</u></b> Solid content (% by wt.)	60 ± 2
Solvent	Xylene
Viscosity @ 25°C (B/F DVE sp.6, 20rpm)	150 - 200 Poise
Tg value	55.15°C
Acid value (on solids)	< 10 mg KOH/g
Colour Gardner	1 Max. (Delivery form)
Clarity	Excellent



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### **SOLUBILITY:**

Aliphatic Solvents: Limited

Aromatic Solvents: Soluble

Ketones: Soluble

Esters: Soluble

Alcohols: Limited

### **COMPATIBILITY:**

Chlorinated Plasticizers: Compatible

DOP, DBP & other Phthalates: Compatible

Chlorinated Rubber: Compatible

Alkyd Resins: Very Limited

Vinyl Resins: Compatible

### **STORAGE & HANDLING:**

**ThermaCril 510 HV 60%** should be stored inside warehouse in the original, unopened and undamaged containers in a dry place between 5 – 30°C.

Under above mentioned storage conditions, the shelf life of the resin will be at least 6 months ex-works.

### **PACKING:**

**ThermaCril 510 HV 60%** is supplied as 60% in Xylene in 190-kg closed top Steel drum.

### **PRODUCT SAFETY AND ENVIRONMENTAL PROTECTION:**

The usual protective measures employed during the handling of thermoplastic acrylic resin should be observed. Further product safety information can be obtained from our material safety data sheet which is available on request.