Product code: 481174

# DOMACRYL 5245 75 BAc

## Hydroxy Acrylic Resin

**Specification:**

| Property | Range | Method / According to standard |
|---|---|---|
| Non-volatile matter | 74 - 76% | MH1155 / ISO 3251 |
| Acid value on solid resin | max. 3 mg KOH/g | MH1051 / ISO 2114 |
| Hydroxyl value on solid resin | 125 - 145 mg KOH/g | MH1052 / ISO 4629 |
| Viscosity, 23 ºC | 2000 - 5000 mPa·s | MH1007 / ISO 3219 |
| Colour | max. 35 APHA | MH1125 / ISO 6271 |

**Typical properties:**

| Property | Value |
|---|---|
| Density | 1 kg/L |
| Flash point | 25 °C |
| Hydroxyl content on solid | 4.1% |
| Water content | max. 0.1 wt.% |
| Bio-based content on solid | 17% |

**Remarks:**

- Coatings based on Domacryl 5245 75 BAc requires at least 5-times higher amount of curing catalyst.
- The resin contains 17% bio-based content derived from renewable, plant-based feedstocks.

**Solubility:**

Soluble in aromatic solvent 100, aromatic solvent 150, xylene, toluene, acetone, ethyl acetate, n-butyl acetate, methoxy propyl acetate, and methyl isobutyl ketone.

**Compatibility:**

Compatible with isocyanate resins: HDI- isocyanurate, HDI-biuret, Desmodur Z 4470, Domacryl 5369 75 Bac and Domacryl 5451 50 BAc

**Applications:**

- Hydroxy acrylic resin with very long pot-life and super-fast hardness development.
- Designed to be used in TOP PERFORMANCE 2K PUR air or forced drying system in automotive, ACE and general metal top coats.
- Supply form in butyl acetate is suitable for aromatic-free systems and gives high solids system at spraying viscosity (VOC ≤ 420 g/l).
- Coatings based on Domacryl 5245 75 BAc have good balance between hardness and flexibility, with excellent mechanical properties and superior outdoor durability.
- Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.


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**Storage:**

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

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