

DECOTHERM™ 290 E

Polyester for Metaldeco 2-piece can

IMPORTANT CHARACTERISTICS:

Decotherm™ 290 E is the first structured hydroxyl functional polyester resin based varnish. Solvents in 270-310 °C boiling range.

Decotherm™ 290 E reduces misting significantly at low tack levels.

Decotherm™ 290 E is used for metal deco inks printed with spindle printing (dry offset) for 2 piece can.

Decotherm™ 290 E will accept a water based coating.

Decotherm™ 290 E exhibits better colour retention and maintains a non-Newtonian rheology providing for a highly structured ink.

Recommendation: To adapt ink rheology use a combination of TDA and 260-290 °C mineral distillate. A ratio of 4:1 is recommended. Use of more 260-290 °C mineral distillate results in less misting; however transfer can be affected. The most advantageous ratio is dictated by the tack of the ink and printing speed of the press.

APPLICATIONS:

- Spindle printing, dry offset
- Metal deco 2-piece can
- Coloured inks
- White inks
- Acid catalysed curing system

BENEFITS:

- Low misting and low tack
- Very good transfer on high speed presses
- Over coatable with water based coatings
- Good adhesion on metals
- Good hardness

Typical Properties

Property	Value	Unit	Test Method / Standard
Acid Value	35	mg KOH / g	Titration LIMR1
Viscosity	105	Pa.s	Viscosity at 23°C at 25 sec ⁻¹ LIMV2

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