

Rheology controlled acrylic dispersion for thermoset dip coatings

Joncryl® OH 8300 and Joncryl® OH 8301

Performance highlights

- Fine particle size dispersion (60 nm)
- Reacts either with melamine or blocked isocyanate
- Excellent adhesion to ferrous, non-ferrous and mineral substrates
- Controlled rheology at low shear rates (e.g. for dip coatings)
- Good mechanical properties
- Good outdoor durability

Usage

- Clear and pigmented coatings
- Coatings for glass and metal substrates
- Dipcoatings

Key technical data

Joncryl® OH	8300	8301
Appearance	translucent emulsion	translucent emulsion
Solids by weight	44	40
Viscosity BF @ 25°C (mPa.s)	500	250
pH	9.6	8
MFT (°C)	<15	<15
Hydroxyl number (mg KOH/g)	42	135
Acid number (mgKOH/g)	60	57

Comparison melamine versus blocked isocyanate (Joncryl OH 8301)

Hardener	curing	Konig hardness	MEK double rubs
30% melamine (HMMM)	15'/180°C	140-150	>100
Blocked isocyanate 1:1 OH/NCO	30'/160°C	140-150	>100

Exemplary applications



Availability

Samples & commercial quantities available