

DURITE AL-5395

(Phenol Formaldehyde Liquid Abrasive Bonding)

DURITE AL-5395 is a low viscosity, liquid, heat reactive, phenolic resin of the one-step type. Specifically developed as a general purpose wetting (“pick-up”) agent for abrasive bonds, DURITE AL-5395 has excellent wetting properties on all types of grain. It affords good mixing, high pick-up, excellent bond strengths and contributes to a stable bond mix.

Product Physical Properties: (at time of manufacturing)	
Appearance	Yellowish Red Liquid
Viscosity @ 30°C (2/60)	190 - 260 cPs
pH @ 30°C	8.0 - 8.8
Specific Gravity @ 30°C	1.180 - 1.200
Solid Content, % (135°C at 3 hours, Neat)	66 – 74
Free Formaldehyde, % (After 17 hours)	0.3 – 0.7
Gel Time @ 121°C, min (Neat)	30 - 41
Water Tolerance @ 25°C, %	200 - 370
Storage life @ 20°C	1 month from Manufacturing Date

Storage:

DURITE AL-5395 is a heat-reactive, resole type phenolic resin whose properties (viscosity, water tolerance, etc.) will change with time-temperature.

Storage at the lowest available temperatures and preferably under refrigeration at 5°C and/or rapid stock turn-over is recommended.

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