01 / PRODUCT POSITIONING

GD-1520 Lower-reactivity polyaspartic ester resin

Longer pot life · Improved leveling and application continuity

A low-viscosity, lower-reactivity amino-functional resin. Use as the sole resin or blend with GD-1422, then crosslink with an aliphatic polyisocyanate hardener.

Evaluate for large-area floors, industrial finishes and resin blends. Verify pot life, leveling and drying in the intended formulation.



Key technical information

Color value APHA≤250	Viscosity at 25°C 900–2000 mPa·s
Amine value (company ref.) 189–193 mg KOH/g	Resin packaging 200 kg per drum

Lower reactivity can extend working time. Measure pot life with the selected hardener at the intended temperature. Establish recoat conditions separately.

Technical data and acceptance

Product specifications

Solids content 99%
Color value APHA≤250
Viscosity at 25°C 900–2000 mPa·s

Company reference value

Amine value 189–193 mg KOH/g

Approximate values

Equivalent (source unit) Approx. 293 g/mol
Density at 20°C Approximately 1.07 g/cm³
Flash point Approximately 96°C

Equivalent and dosing

The source lists about 293 g/mol. Confirm the active-hydrogen equivalent weight and its unit before calculating hardener dosage. Do not dose from this figure.

Use the agreed specifications, contract and batch COA for acceptance. Consult the SDS for safety data.

Applications and formulation

Evaluate for large-area industrial floors and for weather-resistant or anticorrosive finishes requiring sufficient leveling time.

N-200A

Candidate hardener for high-appearance finishes and large areas. Test pot life and leveling.

N-500A

Candidate hardener for flexible waterproofing and flooring with a longer working window.

GD-1422

Resin blend partner. Compare pot life, drying time and leveling in the intended formulation.

Validate before use

Validate compatibility, reactive equivalents, pot life, surface and through-drying, substrate adhesion, mechanical properties, weathering and chemical resistance. Trial the substrate and application method.

This resin TDS specifies no fixed A:B mass ratio, pot life, coverage, film thickness, coat count, recoat interval, coating service life or warranty period.

Packaging, storage and safety

Packaging

200 kg per drum of GD-1520 resin.

Storage and shelf life

Store sealed in the original container at 0–40°C and protect from moisture. Shelf-life temperature and start date require technical confirmation. Check the expiry against the batch label and delivery documents.

Substitution

NH 1520 is a reference for comparable uses. Validate compatibility, processing and performance before substitution, dilution or blending with hydroxyl-functional acrylic resin.

Safe handling

Keep moisture away from the hardener. Read the SDS for the resin and hardener before handling. Follow its ventilation and eye, hand and respiratory protection requirements.

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