

Aptalon™ M8120

Direct-To-Metal, Bio-Based Water-Borne, Self-Crosslinking Polyurethane Dispersion

Aptalon™ M8120 is a bio- based water-borne, self-crosslinking polyurethane dispersion that offers both excellent adhesion to metal surfaces and outstanding topcoat properties to deliver a single coat solution for a variety of protective and industrial applications. This resin contains 37 % Biobased Carbon Content (as a fraction of total organic carbon. ASTM D6866-22 Method B), uses patented polyamide polyol technology to deliver hardness and scratch resistance that far exceed other direct-to-metal waterborne systems. Aptalon M8120 also provides outstanding hydrolysis and chemical resistance for excellent protective properties. It is designed for direct to metal applications, but can also be used over an epoxy primer.

FEATURES AND BENEFITS

- Abrasion Resistance
- Adhesion
- Block Resistance
- Chemical Resistance
- Contains Bio-Based Content
- Corrosion Resistance
- Direct to Metal (DTM)
- Durable
- Ease of Application
- Flexible
- Hardness
- Matte
- Oil Resistance
- Rub Resistance
- Scratch Resistance
- Scrub Resistance
- Self-Crosslinking
- Semi-Gloss
- Solvent Resistance
- Stain Resistance
- Toughness
- Weatherability

CHARACTERISTICS

Characteristic Name	Value
% Weight Solids	37
Appearance	Milky White Dispersion
Brookfield Viscosity (cps)	< 500
Density (lb/gal @ 25 °C)	8.75
Freeze/Thaw Stability	Protect From Freezing
pH Value	8.5
Volatile Organic Compounds (wt. %)	0.89 TEA

REGULATORY

- APEO-Free¹
- Formaldehyde-Free¹
- NMP-Free¹

¹Not intentionally added to the composition of this product

APPLICATIONS

- Building & Construction Coatings
- Industrial OEM Coatings
- Protective Coatings
- Transportation Coatings

AVAILABLE REGIONS

- Asia Pacific
- EMEAI
- Latin America
- North America

RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 365 days. See SDS for storage conditions and handling instructions.

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

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