Technical Data Sheet

General Description

PRODUCT CODE: S3SC8
PRODUCT NAME: MATT CLEAR
CHEMISTRY: POLYESTER SUPER- DURABLE
SURFACE FINISH: SMOOTH

Application Recommendation

Surface preparation: All oil and grease, scale and rust, must be removed.
Pretreatment Requirements: A five stage pretreatment according to ASTM B449 is highly recommended. Anodizing according to AAMA 2603-02 and Chrome-free pretreatment according to AAMA 2604-05 are acceptable methods of optimum adhesion performance and excellent corrosion protection.
Cure Schedule: 10 min. at 400 Deg. F, or 15 min. at 375 F metal temperature.
Film thickness: 3-5 mils.
Features: Superior gloss and color retention, excellent weather resistance, excellent mechanical properties, excellent edge coverage, good storage stability.
Typical Applications: All Architectural and construction application including Playground equipment, Agricultural equipment and Marine application.

Typical Performance Characteristics

Specific Gravity: Calculated 1.20
Coverage: Calculated 160 squares foot/lb./mil
Particle Size: ASTM D3451 0-10% over 200 Mesh
Gloss 60 Degree: Alpine Jet Sieve 40-45% over 400 Mesh
Impact Resistance: ASTM D 2794 100 in. lbs. Direct/100 in.lbs. Reverse
Flexibility: ASTM D 522 Pass 1/8” Mandrel
Pencil Hardness: ASTM D 3363 >2H
Adhesion: ASTM D 3359 5B- Method B
Salt Spray Resistance: ASTM B 117 3000 hr. (ASTM D165 Creepage Min.7) (ASTM D714 Blister Min. 8)
Humidity Resistance: ASTM D 2247 3000 hr. (ASTM D714 Blister Min.8)

Weathering: South Florida Exposure 45 degree angle facing South

- Color Retention: 5 years (ASTM D2244) < 5 DE “CIELAB” (ASTM D2244)
- Chalk Retention: 5 years (ASTM D4214) Minimum 8 rating (ASTM D659)
- Gloss Retention: 5 years (AAMA 2604) > 30% retention (ASTM D523)
- Erosion retention: 5 years (ASTM D662) <10% Loss

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