

Chem-Set™ MS-35 ULTRA CLEAR

Technical Data Sheet

Chem-Set™ MS-35 ULTRA CLEAR HIGH PERFORMANCE is a one component, high modulus, mildew resistant multipurpose silyl-terminated polyether (hybrid) elastomeric sealant and adhesive. When fully cured, this unique VOC compliant formula offers UV stability and firm bonding to PVC, concrete, glass, aluminum, painted surfaces, wood, plywood, marble, metal, plus many other common substrates. This product is specifically formulated to offer all weather performance to meet today's Green Building Standards.

FEATURES & BENEFITS

- Excellent Adhesion
- Adhesion to Kynar®
- Non-Corrosive
- Paintable
- Flexible & Durable
- Will Not Shrink or Crack
- VOC Compliant
- Contains No Solvents or Isocyanates
- Color Stability and UV Resistant (ASTM G26)
- Non-Yellowing/Staining
- Resistant to Most Chemicals

CONSTRUCTION & INDUSTRIAL APPLICATIONS

| | |
|--------------------------------------|------------------------|
| Sealing Openings & Exterior Surfaces | Precast Concrete |
| HVAC/R | Industrial Gaskets |
| Plumbing | Transportation Seals |
| Roofing | Marine Cabins |
| Kitchen & Bath | Appliance Trim & Parts |
| Countertops | Interior/Exterior |
| Sanitary Seals | Above Grade |

MEETS SPECIFICATIONS: ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M, G; TT-S-00230C, USDA Approved, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II).

AVAILABLE COLORS: Clear, White, Black, Gray, Bronze, Tan, Sand Beige (custom colors available upon request)

| PHYSICAL PROPERTIES | | TEST METHOD |
|-------------------------------------|-----------------------|-------------------|
| Cure System | Hybrid, Moisture Cure | |
| Movement Capability, % | ±25% | ASTM C-719 |
| Modulus | High | ASTM D-412 |
| Physical Properties (Cured) | Rubber | |
| Specific Gravity | 1.66 | |
| Extrusion Rate, g/min. | 320 | ASTM C-1183 |
| 1/8" orifice @ 50 psi | | Modified |
| Temperature Range | -75°F to 220°F | |
| Intermittent Temperature Range | 250°F | |
| Accelerated Weathering (2,000 hrs.) | UV-A, No Change | QUV Weatherometer |
| Skin Over Time (min) | 20* | MNA Method |
| Tack Over Time (min) | 40* | ASTM C-679 |
| Cure Rate | 1/8" per 24hrs* | MNA Method |
| Tensile Strength (psi) | 225 | ASTM D-412 |
| Elongation % | 450-500 | ASTM D-412 |
| Durometer Shore A | 46 | ASTM C-661 |
| Shelf Life (months) | 12 | |
| Volatile Organic Content | 18 gr./liter | |

*All properties derived from lab conditions (77° F at 50% relative humidity)

Test results are averages obtained under laboratory conditions.
Reasonable variations can be expected.