HIGH-SOLIDS SILICONE 412

DESCRIPTION

High Solids Silicone 412 is a ready-to-use, high-solids, single-component, moisture-cure silicone coating. It serves as the standard specification for liquid-applied silicone coating used in spray polyurethane foam roofing, single-ply restoration, and for top-coating several American WeatherStar systems.

ADVANTAGES

- Superior protection—forms a durable, weather-resistant rubber-like seal
- Excellent UV protection
- Superior adhesive and cohesive strength
- 92% Solids. Uses less material for same dry film thickness
- Low VOCs

BASIC USES

High Solids Silicone 412 provides elemental protection for architectural surfaces such as vertical walls, masonry, concrete, metal, single-ply roof membranes and sprayed-in-place polyurethane foam systems.

INSTALLATION

- **Mixing:** Mix before application to assure uniform color and consistency. Due to the combustible nature of this product, do not use an electric mixer.
- **Surface Prep:** All surfaces to be coated must be clean, dry, and paintable. It may be necessary to power wash and/or prime to enhance adhesion. See application guidelines for more details.
- **Application:** This product may be applied directly to any clean, dry surface. Polyurethane foam should be coated within 24 hours of application. Apply by spray, brush, or roller as received. No thinning or reducing is necessary. Subsequent coats should be applied within 24 hours of prior applications to insure full and uniform adhesion. It is not recommended that this product be applied at temperatures below 40°F (4°C), or if rain is expected within 1 hour of application. High Solids Silicone 412 may be applied at lower temperatures, however, the cure time will be extended.

WARRANTY

American WeatherStar warrants that the material supplied will meet or exceed physical properties as published. The contractor guarantees that workmanship will be free of defects in coating application. Since performance of previously installed substrate is beyond the control of American WeatherStar or the contractor, requests for additional warranty coverage shall be subject to prior approval by American WeatherStar.

TECHNICAL DATA

SOLIDS BY VOLUME:	92% ± 2%, ASTM D-2697
ELONGATION:	250% ± 25%
TENSILE STRENGTH:	330 psi ± 50 psi
FLASH POINT (COC):	290°F, ASTM D-92
HARDNESS:	50± 5 points (Shore A)
PERMEABILITY:	> 4 +, ASTM E-96, Procedure B
WATER ABSORPTION:	2%
EMISSIVITY:	Initial .89, C-1371
VOC:	< 50 Grams/Liter, ASTM D-3960, EPA Method 24
MINIMUM APPLICATION TEMP:	40°F
DRYING TIME:	1-4 hours
SERVICE TEMP. RANGE:	-40°F–350°F
REFLECTIVITY:	Initial .87, C-1549
SHELF LIFE:	24 months
CLEAN UP:	Mineral Spirits
COLOR:	Standard: white, gray, tan Premium and custom colors available*
PACKAGING:	5 gallon, 50 gallon

*See coatings color chart for more details.

SAFETY INFORMATION

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

AMERICAN WEATHERSTAR LLC
8095 Padgett Switch Rd. | Irvington, AL 36544 | USA
www.americanweatherstar.com | info@americanweatherstar.com
Toll Free: 800-771-6643 | Fax: 251-479-3602