



WEIDU WD-600

Single-component

Silicone Waterproof Roof Coating

Product Description

WEIDU™ WD-600 Silicone Waterproof Roof Coating is a one-component, moisture-curing silicone-based waterproof coating specially developed for exposed roofing applications. It is solvent-free, non-corrosive, and provides excellent elongation and waterproofing performance.

The cured coating exhibits outstanding resistance to UV exposure, extreme temperatures, weathering, acids, alkalis, oil, and water. It also offers excellent adhesion, compatibility, and electrical insulation properties, making it an ideal long-term waterproofing solution for exterior building protection.

Features

- Excellent Waterproof Performance
- High elasticity accommodates substrate movement and helps bridge minor cracks.
- UV resistance weatherproof
- Resistant to acids, alkalis, oil, and water.
- Solvent-free with low VOC content.
- Easy Application, suitable for brush, roller, or spray application.
- Safe for use on metal substrates without causing corrosion.

Typical Properties-Uncured

Information on this data sheet can change without notice, and it is therefore not recommended that these figures be used in spec writing. If you have any questions, please contact manufacturer's sales and technical service department.

| Property | Value |
|---------------------|-------------------------------|
| Color | White/Grey/Customized |
| Chemical Type | Silicone |
| Density | 1.16 ± 0.05 g/cm ³ |
| Viscosity (25°C) | ≈25,000 mPa·s |
| Tack-Free Time | ≈30 min |
| Full Cure Time | ≈24 h |
| Service Temperature | -80°C to +200°C |
| Solids Content | ≥93.4% |



Technical Data

Typical Properties-Cured

| Property | Value |
|--|--------------|
| Tensile Strength (MPa) | 1.59 |
| Elongation at Break (%) | 213 |
| Adhesion Strength (MPa) | 0.54 |
| Low-Temperature Flexibility (-40°C) | No Cracking |
| Immediate Water Resistance | Pass |
| Shore A Hardness | Approx. 42 |
| VOC Content (g/L) | 76 |
| Benzene Content | Not Detected |
| Total Toluene, Xylene and Ethylbenzene Content | Not Detected |

Application Instructions

Surface Preparation

The substrate surface must be clean, sound, and dry. Loose particles, dust, laitance, oil, grease, and other contaminants must be removed prior to application.

Joint and Crack Treatment

For cracks wider than 3 mm, fill and seal the cracks with an MS polymer sealant before applying the coating. Ensure the sealant has fully cured before proceeding.

Application Method

If dilution is required, a coating-to-thinner ratio of 10:4 (by weight) is recommended.

WD-600 may be applied by brush, roller, or spray equipment. Two coats are generally recommended to achieve optimal waterproofing performance.

Recommended total dry film thickness: approximately 1.0 mm

Recoat interval: 4–12 hours, depending on ambient temperature and environmental conditions

Recommended Coverage

Recommended application rate: not less than 1.5–1.6 kg/m².

Storage & Shelf Life

WEIDU™ WD-600 Silicone Waterproof Roof Coating should be stored in cool, dry, and well-ventilated area above 0°C. After opening, keep the container tightly closed and use any remaining material promptly. Keep out of reach of children.

Packaging Information

WEIDU™ WD-600 Silicone Waterproof Roof Coating is supplied in in Drum 20 Ltr .

Caution/Safety

Please refer to the SDS for the corresponding product for information regarding safety and handling. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The Material Safety Data Sheet is available upon request.

Limitations

WEIDU™ WD-600 Silicone Waterproof Roof Coating should not be used, applied or is not recommended for the following applications:

- The applied coating should be free from pinholes, voids, and uncovered areas. If any defects are found, reapply the coating to the affected areas.
- Do not perform any subsequent construction activities that may damage the coating before it has fully cured.



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- ☒ Unused material should be tightly sealed immediately after use to prevent premature curing.
- ☒ In case of accidental eye contact, rinse immediately with plenty of clean water and seek medical attention promptly.

Warning Information

WEIDU™ warrants that its product complies, within its shelf life, to its specification.

If any responsibility were to be considered ours, this would be only for any damages and for the value of the merchandise supplied by us and used by the customer. It is understood that we warranty the irreproachable quality of our products in accordance with our General Conditions of Sales and Supply. For additional technical information, please contact our Technical Service Department.

Liability

The information in this document, in particular recommendations regarding the application and final use of our products, is given in good faith based on our knowledge and is the result of tests and experience and is intended as guidelines. It is the responsibility of the user to determine whether the product is suitable for their application. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend carrying out sufficient prior trials.

The property rights of third parties must be respected.

This TDS replaces and supersedes all previous data sheets for the same product.



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