



Technical Data Sheet

Roof 360-100% silicone Roof Coating

Features & Benefits

- Waterproofing-High film build up provides excellent water resistance
- Elastomeric-Excellent flexibility and elongation properties- can easily accommodate all normal building movements
- Seamless-can be applied to complex shapes to form a seamless and highly durable water proofing
- Adhesion-Adheres firmly to most of building surfaces including concrete,brick etc.both horizontal and vertical surfaces
- Easy to apply –Suitable consistency for easy application by brush, roller or squeegee

Applications

- Super silicone coating is designed as a protective coating to seal and repair existing roofs and permanently Protect against leaks, permanent ponding water, and the damaging effects of several weather. This can be used as water proofing for new building on concrete roof.Tile fixing on bath rooms as permanent water proof.

Colour

- White ,Grey & Ivory

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property ²	Unit	Result
Uncured – As Tested at 50% RH and 25°C			
CTM 0098	Tack-free Time, 25°C, 50% RH	Minutes	Max 70
	Full Adhesion	days	7-14
	Viscosity	cPs	5000-8000



As Cured – After 7 days at 50% RH and 25°C			
ASTM D 2240	Durometer Hardness, Shore A	points	Min 30
ASTM C 412	Tensile Strength	Mpa	≥1.5
ASTM C 412	Elongation	percent	≥250

1. ASTM – American Society for Testing and Material
2. CTM-Corporate Test Method

Description

Roof 360 is a premium, 100% silicone, moisture-cure coating designed to reflect the sun's heat and UV rays as well as protect many types of roofs. Roof 360, 100% Silicone Coating adapts to extreme temperatures to provide long-term weathering protection and energy savings. It is specially designed to maintain maximum reflectivity of heat and UV rays as it ages. Its moisture-cure chemistry creates a very aggressive chemical bond with the roof, which allows for permanent ponding water resistance, extreme durability, and superior capabilities of sealing and protection.

Packed Product Data

Theoretical Coverage: 100 Sq. Ft. /Gallon (9.3 Sq. Meters/3.8 L) to yield smooth surface. Coverage rate may decrease on textured surfaces, and more coating will likely be used on first Coat than on additional coats. Smooth roofs can be completed in 2 coats, lightly textured surfaces often require 3 coats, and heavily textured surfaces may require 4 coats to achieve.

How To Use

Surface Preparation

All surface must be clean and free from dirt, grease, oil, mould, algae, loose granules, loose paint, rust, excess chalk and other foreign matter which could prevent proper adhesion.

Use a high pressure wash and stiff bristle brush or broom scrub surface. An appropriate non-filming cleaner should be used to remove all grease or oily deposits. EPDM roofs may require aggressive power washing and need to be cleaned twice to remove all surface contamination. Rinse thoroughly and allow to dry. Seams fasteners roof penetrations and any roof defects should be repaired and sealed prior to applying the topcoat.

Application Method

MIXING: Mixing before application to assure colour and consistency. Product should not be thinned. A minimum one or two coats are required applied at 1.35gal/100sq.ft(0.55ltr/sq.m) with a minimum. DFT of 22 mils over existing roofing substances or 2.8gal/100sq.ft(1.13lir/sq.m) 45mils.DFT over other substances such as concrete or plywood. To help ensure even coverage, a different colour may be used for the first coat to create a colour contrast.



Apply by brush, roller or spray. Allow the first coat to dry for 6 to 8 hours prior to re-application. Use a 1/2" nap roller cover-dip roller directly into pail and apply, or pour product onto flat roof surface and roll out evenly, or spread with an 1/8" notched squeegee then immediately back roll for smooth even finish. Alternatively apply with airless sprayer sprayed evenly to achieve consistent coverage. Textured surfaces may require additional coats to achieve a final minimum 22 mils dry film build

DRY TIME: Allow the first coat of Roof 360 to dry for 6 to 8 hours. Re-cast as soon as the first coat can be walked on without causing damage

Note: Drying time depends on weather conditions such as temperature humidity and air movement.

- **CLEAN UP:** Clean wet materials immediately with soap and water. Dried material can be cleaned with mineral spirits. Follow equipment manufacturer's directions to clean spray equipment.
- **MAINTAINANCE:** Roof structures may settle overtime. A periodic inspection of your roof which includes transition areas, Flashing, Vents and skylights is recommended. Keep drains cleaned at all time. Roof becomes slippery when wet, use extreme caution. Roof 360 may coated periodically after through cleaning as necessary to achieve adhesion.

Storage and Handling Precautions

Do not heat. Keep container sealed when not in use. Product must be kept out of sunlight, protected from the elements and in areas where air flows freely and is not restricted. Shelf life is up to 12 months from date of manufacture for unopened containers. For maximum shelf life store between 50 F to 80 F. Storage at temperatures outside these conditions or at relative humidity over 65% will reduce shelf life. Storage longer than 6 months may require additional mixing. Tightly seal container, after opening should be used within 3-5 days. If a skin forms, remove prior to mixing material. When transporting this product, ensure that the lid and openings are tight and unit is secure, upright. Do not allow products to fumble or shift as this may cause leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicles. Store product in the cargo area of vehicles and secure on top of 6 mil plastic sheeting to prevent damage due to accidental spills or loosening of lids.



**Usable Life And
Storage**

12 months depending upon storage

**Packaging
Information**

This product is available in 4KG Pail, 20KG Pail & 270KG Drum

For more information visit our website-www.adarshachemicals.com



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