

Surface Preparation and Cleaning Agents

Information for use with GE Enduris* Silicone Roof Coatings

Prior to cleaning roof membranes, complete these steps:

1. Clear all drains, scuppers and gutters. Make sure all debris is removed and all are in proper working order.
2. Make any necessary repairs to the roof membrane to receive the coating prior to fully cleaning the roof so as to not introduce water into any possible leak points.
3. Make sure all rinse water is being handled properly in accordance with any and all municipal codes.

For best results, use a surface pressure washer with a biodegradable degreaser cleaner and follow up with a pressure washer and wand to rinse off the cleaner (refer to picture at the end of this document). Pressure wash between 2500-3500 psi (172-241 bar) where possible. When cleaning older or fragile membranes, start with lower pressure and increase to suitable pressure so as not to damage the existing membrane.



Acceptable cleaners include, but not limited to:

Zep Citrus Cleaner and Degreaser:

<https://www.zep.com/product/zepcommercial/heavy-duty-citrus-degreaser>

Simple Green Pro HD:

<https://simplegreen.com/products/pro-hd-cleaner-degreaser/>

Savogran Liquid TSP Substitute

<http://www.savogran.com/>

NOTE: Effective immediately, Orangewood roof wash/clear is not an acceptable product for use with GE Enduris* roof coatings.

Thoroughly wash off all debris and cleaning residue prior to coating. Roof assemblies that give off carbon black (i.e. EPDM), may have to be washed more than once and periodically throughout the project. When carbon black, or any other residue, is being washed off of the building take care in making sure the rinse water is handled properly and the building walls are being protected from the cleaning process.

Pre-existing Coatings (Silicone, Acrylic or other approved coatings):

Make all repairs as necessary. It is recommended that hot water and an acceptable cleaner be used during the cleaning process, then thoroughly rinsed.

Asphaltic and single ply membranes including, but not limited to, Mod Bit, EPDM, BUR, TPO, PVC :

Repair all loose or open seams and laps. Any fasteners backing out or “tenting” need to be removed and replaced. Relocated fasteners should be no more than 6” (15cm) from their original location. Secure all terminations. Address termination bars and counter flashings using Enduris* Liquid Flashing and RF100 Reinforcing Fabric or with SWS Sealant.

BUR roofs with excessive alligatoring should be “spud” off or can be filled in with Enduris* Liquid Flashing.

Ballasted roofs: Remove all ballast in stages. Inspect, repair and mechanically attach the membrane. Spot clean and 3 course all fasteners prior to pressure washing. DO NOT REAPPLY BALLAST.

Metal Roofs:

Prior to cleaning metal roofs, inspect all roof panels. Unsound rust on panels may need to be removed by wire brush, sandblasting or mechanically abraded, and all scaling removed. Check the stability of rusted panels and replace any panels that may be structurally compromised due to excessive rusting. Inspect all fasteners, loose fasteners need to be tightened down. Replace any fastener that cannot be retightened, or “stripped out”, the replaced fastener must be larger in diameter. Fill any gaps in laps or seams ¼”- ½” (6mm-13mm) with SWS Sealant. Gaps larger than ½” (13mm) need to be 3-coursed with Enduris* Liquid Flashing - RF100 Fabric - Enduris* Liquid Flashing, to a minimum 60 wet mils. Mechanically seamed metal roofing assemblies may need to be re-crimped or 3-course reinforced.

Skylights:

Skylights can be restored using GE Optic* Translucent Silicone Coating.



Cleaners for use on GE Enduris* coatings:

Testing was performed using a 50/50 solution of warm water/ZEP® Citrus Concentrate in a spray bottle. The bottle was held 6 inches from the coating and sprayed onto soiled area of coating. The surface was immediately wiped with a clean cloth until the solution was completely removed. This was performed over the course of 10 days. Testing indicates that the water solution with ZEP® Commercial Citrus Cleaner & Degreaser was effective at removing normal build-up on the surface of the coating, and the cleaner has shown no indications of incompatibility with the Enduris* roof coating. These tests show acceptable results for use with GE Enduris* roof coating and the use of this product will not void the MPM USA Inc. limited product warranty. Other acceptable cleaners include Simple Green Pro HD or equivalent. Unacceptable cleaners include Orangewood.

Tests were performed using a 50/50 solution of warm water/consumer dish soap (Dawn®) in a spray bottle. The bottle was held 6 inches from the coating and sprayed onto soiled area of coating. The surface was immediately wiped with a clean cloth until the solution was completely removed. This was performed over the course of 10 days. Testing indicates that the water/consumer dish soap (Dawn®) solution was effective at removing normal build-up on the surface of the coating, and the cleaner and has shown no indications of incompatibility with the Enduris* coating. These tests show acceptable results for use with GE Enduris* coating and the use of this product will not void the MPM USA Inc. limited product warranty.

