



GE Silicones



GE Enduris^{*}

HIGH SOLIDS ROOF COATING

Add Decades to Roof Life in Days

Roofs have it hard. A typical flat roof can experience a 60° C temperature shock from 75°C at the hottest peak to 15° C ambient temperature at night. This constant temperature fluctuation and UV exposure can create tremendous strain over time. Most commonly, roofs fail where dissimilar materials meet at penetrations, seams and edges. Minor structural issues can cause additional challenges such as poor drainage and ponding water.

For over 50 years, professionals have trusted GE Silicones products to deliver durable, long-lasting building solutions. The GE Enduris® roof coating system is a fast, efficient and economical alternative to replacement. Based on GE-heritage technology, the GE Enduris system is backed by world-class technical support and a 10-, 15- or 20-year warranty.

Restore with Silicone

A seamless, stable and energy-efficient coating can dramatically extend roof life expectancy, delaying the need for a costly, time-consuming replacement project.

Silicone is inherently durable and permanently flexible. Unlike acrylic, polyolefin, asphaltic and carbon-based polymer chains, silicone is completely UV stable, providing the maximum long-term performance against weather and atmospheric conditions. The entire GE Enduris roof coating system is made from the same 100% silicone, allowing it to expand and contract at the same rate, helping prevent leaks that may result in mold, mildew, wood rot and rust. A white silicone coating also reflects the sun's rays to better control inside temperatures.

Restore with Confidence

Silicone remains stable, flexible and virtually unaffected by daily and seasonal temperature extremes. It will not become brittle or harden as the system ages. The GE Enduris system provides exceptional, long-term performance.

Ponding water

While acrylic coatings tend to fail at the seams, penetrations and edges, especially where water ponds, GE Enduris roof coatings stand up to ponding water.

Full compatibility

Using only 100% silicone components that are chemically and adhesively compatible, GE Enduris roof coating helps prevent water leakage, mold/mildew, wood rot and metal rust.

Life cycle cost

Primerless, single-coat application brings efficiency and cost savings to the installation process. Longterm durability promotes a lower total life cycle cost.

Best-in-class elongation

By remaining flexible with daily and seasonal temperatures throughout the life of the building, this system offers best-in-class elongation, both initially and after decades of exposure.

Energy savings

Energy savings versus a darker roof can be as great as 35% on summer cooling costs. GE Enduris roof coating offers excellent color retention and reflectivity with a silicone polymer that is UV stable.



RESTORE VIRTUALLY ANY EXISTING ROOF TYPE

GE Enduris restoration systems are appropriate over most structurally sound existing roofing systems including:

- Single-ply membranes (TPO, EPDM, PVC)
- Bituminous membranes
- Metal
- Concrete
- SPF PU Foam

Contact us for application to additional substrates

GE Enduris Roof Coating Three-Component System



1. GE Enduris Roof Coating

High-solids, low-VOC, 100% silicone liquid coating applied in a single coat. While a primer is not required, an asphalt bleed-blocking base coat can promote energy savings, and an EPDM wash can help optimize adhesion. Currently available in drums and 17 litre (21.59 kg) pails and in standard colors white, light gray and medium gray.



2. GE RF100 Reinforcing Fabric

This flexible, easy-to-use reinforcing fabric embedded between layers of sealant or coating is acceptable for sealing virtually all seams, curbs and penetrations. Currently available in 100mm, 150mm and 304mm widths in 30.5m long rolls.



3. GE Enduris Liquid Flashing

Low-VOC 100% silicone, single-component liquid sealant for joints, gaps and splices, offering long-term performance in sealing out water and withstanding weather and atmospheric conditions without degradation. Currently available in 9.08 kg pails.



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Benefit Now and Later



Time and labor savings

With no primer required on coated and uncoated roofing membranes, this system can offer significant cost savings associated with labor, primer and time delays.



Full compatibility

Can be applied to most existing roof types including bituminous membranes, singleply (TPO, PVC, EPDM), PU SPF foam, concrete and metal.



Cold & Hot weather application

GE Enduris® 3500 coating can be rolled or sprayed in temperatures as low as -17°C without freezing and as high as +49°C, helping to extend the roofing season and avoid project delays.



Simplicity & Integrity From a Trusted Brand

With over five decades of superior product performance, the GE Enduris 100% silicone roof coating system can bring confidence and compliance to roof restorations and repairs. Simplified installation promotes safety and improves efficiency, helping to ensure that the job is done right every time.

We Stay on Top of It All

In addition to a proven roofing system from a trusted leader, we offer assistance from a project's inception to completion. With decades of experience on some of the world's most innovative structures, the team provides a wealth of knowledge and support to help deliver results including:

1. Project Review

Review of project details to assist with product selection and application based on usage criteria, specifications and customer needs.

2. Drawing Details

Assist in developing drawing details that address project-specific terminations, transitions and penetrations.

3. Project Testing

On-site testing for substrate adhesion or compatibility with other building materials if necessary.

4. Project Warranty*

Warranties are offered for long-term assurance.

Ready to start your next project?

Contact us: siliconeforbuilding.com

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