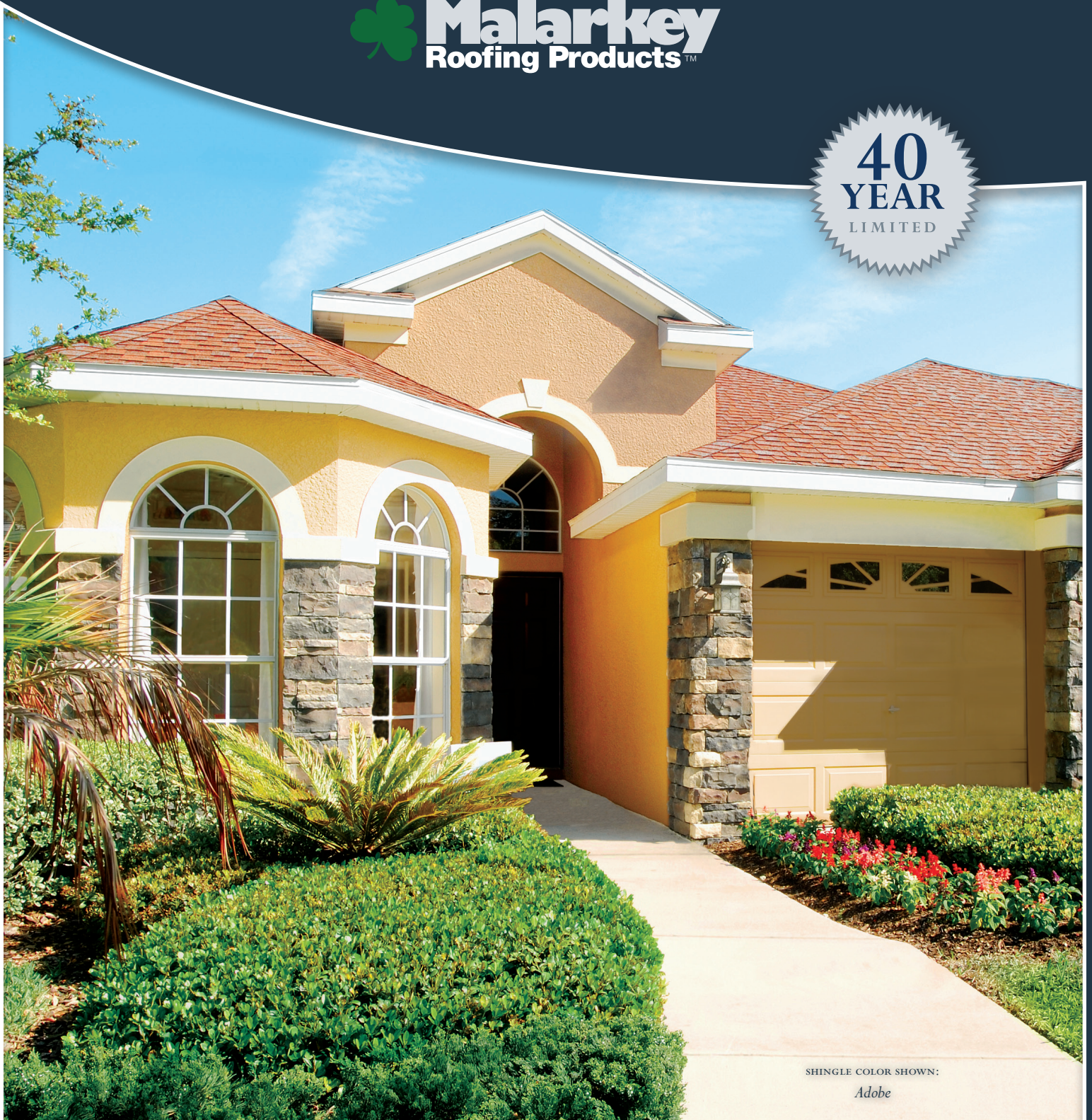




SOLAR REFLECTIVE SHINGLES



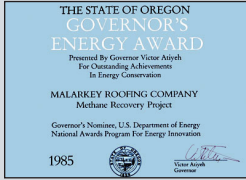
SHINGLE COLOR SHOWN:

Adobe

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ECOASIS™ - SOLAR REFLECTIVE SHINGLES

PROTECTING THE ENVIRONMENT SINCE 1984



In partnership with the City of Portland, Malarkey received the State of Oregon's Governor's Award

for energy conservation for its installation of a methane recovery pipeline.

THE ZONE®

Ecoasis™ is engineered with our patented ZONE® technology featuring:

- A nailing area over three times larger than standard laminate shingles
- Double rain seals for twice the protection against leaks using SEBS (Rubber Modified Asphalt)
- Easy fastener placement for correct installation
- Better wind resistance
- Long-lasting performance
- Faster installations with improved quality

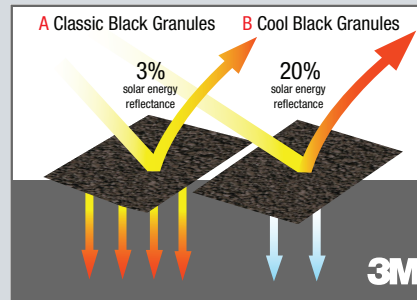


TEST COMPLIANCE

- ASTM D 7158 Class 'H'
- ASTM D 3161 Class 'F'
- ASTM E 108 Class 'A'
- ASTM D 3462
- ICC ESR 3150
- CSA A 123.1/123.5
- CRRC Listed

This recycling system reduces its consumption of natural gas, a non-renewable fossil fuel, by up to 80 percent. Additionally, to reduce its carbon footprint and support the environment, Malarkey offers several roofing materials that may qualify for LEED points.

3M REFLECTANCE DIAGRAM



(A) 3M Classic Roofing Granules: reflect less solar energy which may cause more heat to be transferred into a building.

(B) 3M Cool Roofing Granules: reflect solar energy away from the roof which can help lower air conditioning costs and improve indoor comfort levels.

*Reflectance rates calculated using 3M reflectivity test methods. Actual reflective results for asphalt shingles made with 3M Cool Roofing Granules will vary by application.

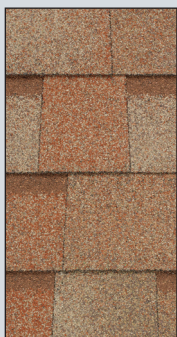
KEEPING A COOL ROOF

Ecoasis™ shingles use reflective granules which meet or exceed the minimum reflectance as required by the California Energy Commission and are listed by CRRC as a "Cool Roof." Ecoasis™ promotes energy savings and global warming alleviation while complying with green building programs.

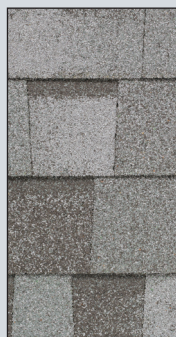


FEATURING

- 40 Year Limited Product Warranty
- 80 mph minimum (128 kph) Limited Wind Warranty
- Enhanced Wind Warranty Available
- Transferable Your Choice™ Warranty
- 7 Year Right Start™ Warranty
- 3M Reflective Granule System
- Class 'A' Fire Rating



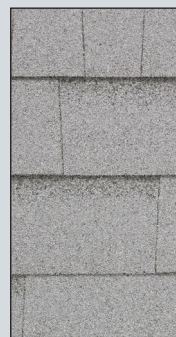
ADOBE
SRI 30



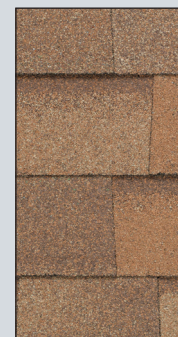
AGAVE
SRI 26



DESERT JEWEL
SRI 29



DESERT WHITE
SRI 27



MESQUITE
SRI 29



TUMBLEWEED
SRI 27

DISCLAIMER: Sample pieces or photographs of shingles may not accurately represent the true color or variations of color blends that will appear on the roof. Before installation, five or six shingles should be laid out and reviewed for conformity to desired color level. If color levels are unsatisfactory, advise your dealer before proceeding with installation. Colors and specifications subject to change without notice. Limited warranties carry terms and conditions. Contact your nearest Malarkey source for further information. This version supersedes all previous versions. Rev. 6/11.

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