



GAF

We
protect
what
matters
most™

SUKOT®
ROOFING



We
protect
what
matters
most™

¿Quién és GAF?

- El fabricante de techos e impermeabilizantes más grande de Norteamérica.
- Establecido en 1886 en Estados Unidos
- Pertence a Standard Industries, un conglomerado de alcance mundial, con más de 20.000 empleados, 180 fábricas en 80 países y facturación anual superior a US\$11 B



Internally used only. Vendor distribution.

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ROOFING

A standard INDUSTRIES COMPANY

Ubicaciones de las Plantas GAF



- 1 Addison, Texas
Corporate Headquarters
- 2 Arkadelphia, Arkansas
Mod bit plant
- 3 Baltimore, Maryland
Residential roofing plant
- 4 Burgaw, North Carolina
Specialty building products plant
- 5 Cedar City, Utah
Commercial roofing plant
- 6 Charleston, South Carolina
Coatings plant
- 7 Chester, South Carolina
Fiberglass mat plant
- 8 Cumming, Georgia
Specialty building products plant
- 9 Dallas, Texas
Residential roofing plant
- 10 Ennis, Texas
Residential roofing plant
Fiberglass mat plant
R&D center
- 11 Fontana, California
Residential roofing plant
Commercial roofing plant
- 12 Gainesville, Texas
Commercial roofing plant
- 13 Gum Springs, Arkansas
Coatings plant
- 14 Irving, Texas
Special Corporate Headquarters
- 15 Michigan City, Indiana
Residential roofing plant
- 16 Minneapolis, Minnesota
Residential roofing plant
- 17 Mount Vernon, Indiana
Residential roofing plant
Commercial roofing plant
- 18 Myerstown, Pennsylvania
Residential roofing plant
- 19 New Columbia, Pennsylvania
Specialty building products plant
Commercial roofing plant
- 20 Parsippany, New Jersey
Corporate Headquarters
R&D center
- 21 Phoenix, Arizona
Coatings plant
- 22 Savannah, Georgia
Residential roofing plant
Commercial roofing plant
- 23 Shafter, California
Residential roofing plant
Fiberglass mat plant
- 24 Statesboro, Georgia
Commercial roofing plant
- 25 Stockton, California
Commercial roofing plant
- 26 Tampa, Florida
Residential roofing plant
- 27 Tuscaloosa, Alabama
Residential roofing plant
- 28 Walpole, Massachusetts
Coatings plant
- 29 Wind Gap, Pennsylvania
Specialty building products plant



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¿Por qué TPO?

- Desempeño a largo plazo: excelente resistencia al calor y a los rayos UV
- Estanqueidad: las uniones se fusionan creando una membrana monolítica hermética al agua
- Ahorro energético: altamente reflectante y emisiva, contribuyendo a la reducción de los costos energéticos
- Intrínsecamente flexible y resistente a los hongos: no necesitas plastificantes o biocidas

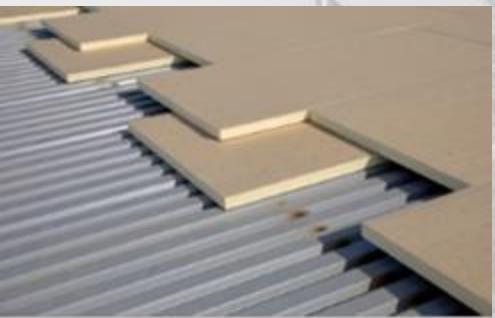
MIAMI DADE COUNTY
APPROVED

GAF



PIMA QualityMark[®]
Independent Certified LTTR+

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A Standard INDUSTRIES COMPANY

¿Por qué PIR?

- Eficiencia Térmica: con uno de los valores R por pulgada más altos de la industria
- Ahorro energético: con un aislamiento superior, el PIR ayuda a mantener una temperatura interior estable, lo que se traduce en un menor consumo de energía
- Resistencia al Fuego, es un material termoestable que no se derrite ni gotea cuando se expone a las llamas



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Sistemas Anclados Adheridos y Rhino

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Mechanically
Attached Smooth
with Drill-Tec™
Fasteners



Fully Adhered
Smooth



GAF
RhinoBond®†
System

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¿Por qué TPO GAF?

- Garantía del mayor fabricante norteamericano de techos, con más de 139 años de historia.
- SRI, el estudio **independiente** más extenso jamás conducido acerca del desempeño de las membranas de TPO muestran que GAF tiene las membranas de TPO con el mejor rendimiento en pruebas de envejecimiento acelerado.
- Contamos con 5 plantas de TPO Y PIR con la tecnología más avanzada.

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ESTUDIO COMPARATIVO SRI

Internal testing

Used old
competitive
material

Didn't present
performance
data

There's NO Independent 3rd Party Testing!

Didn't always
show all samples

Cherry picked
your own
material

Not using the
right
measurement

✓ Recent product
• Produced in similar time frame

✓ Produced in all plants

✓ Multiple rolls

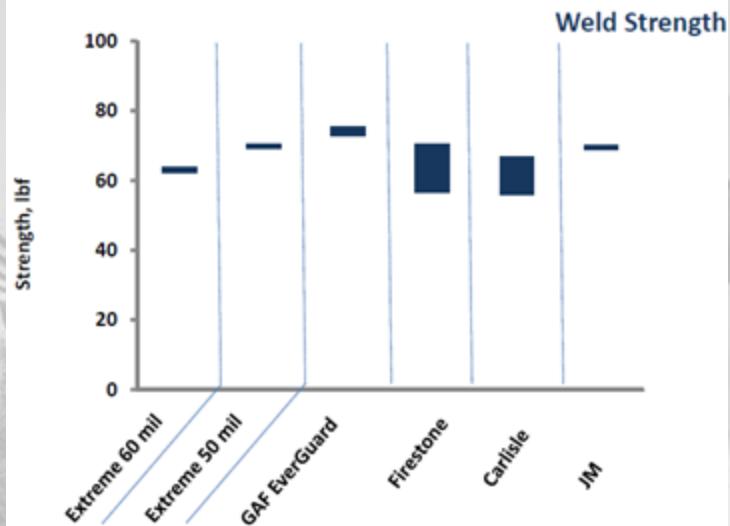
✓ Different days production

✓ All manufacturers

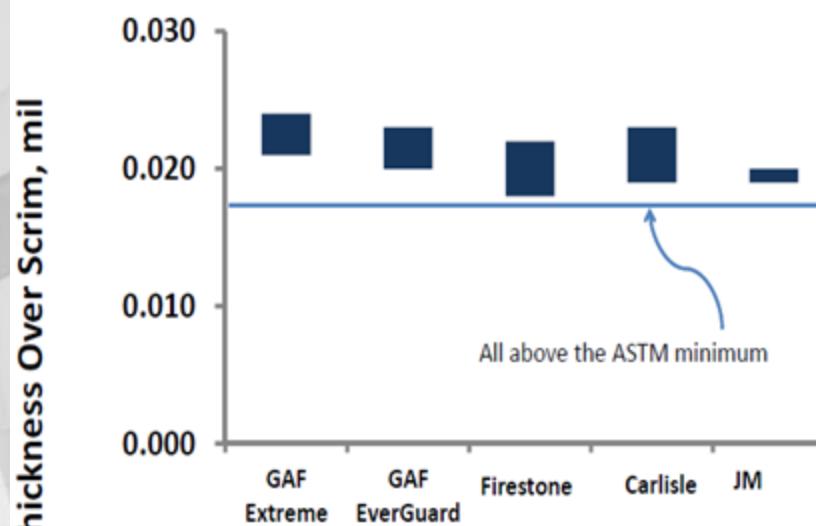
✓ Testing by reputable firm

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Not a Big Difference in Physical Properties...



60 mil Thickness Above Scrim



All above the ASTM minimum

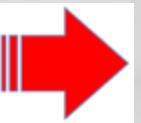
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ESTUDIO COMPARATIVO SRI

What Cracking Means...

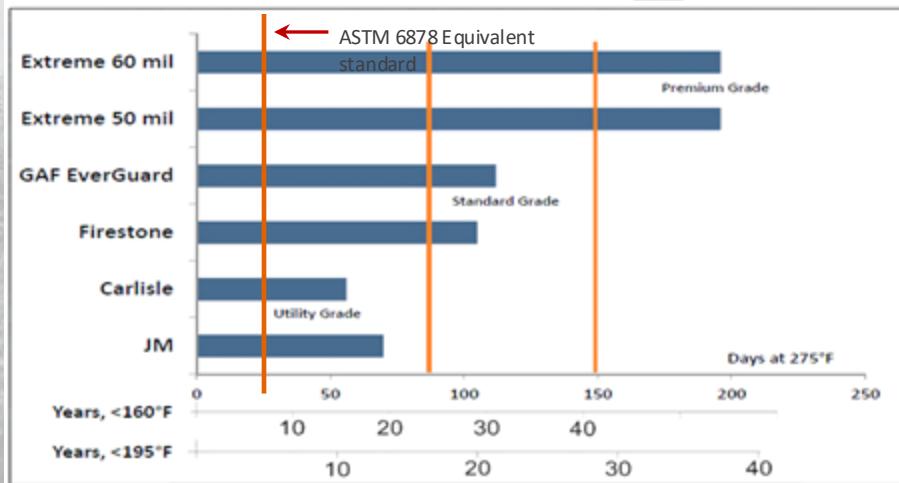
Test Sample



Real World



Time Before Failure Begins (>1.5% wt. loss OR cracking)



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ESTUDIO COMPARATIVO SRI

Weight Loss Can Lead To...



Why Test?

As products weather they lose polymer

What does it mean?

TPO loses weight when it's not formulated correctly

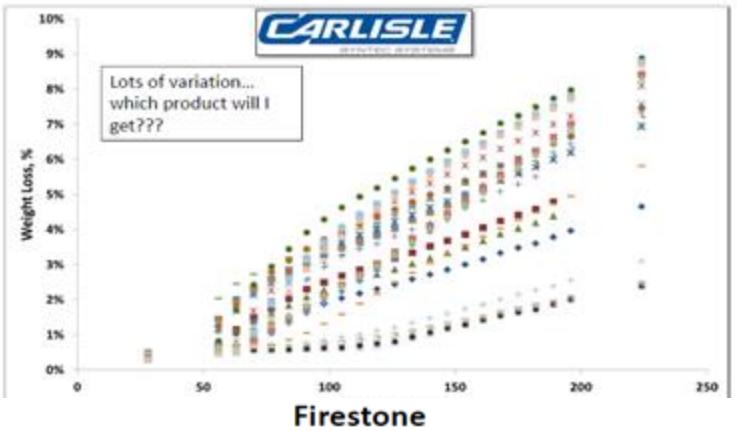
How to talk about it?

The more weight you lose, the less material you have to protect your roof

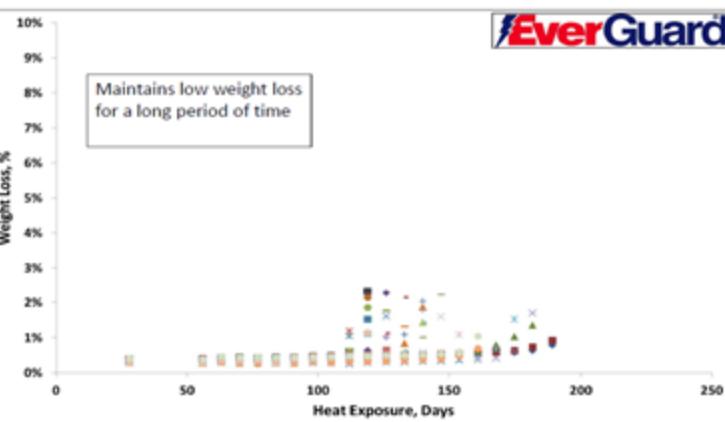
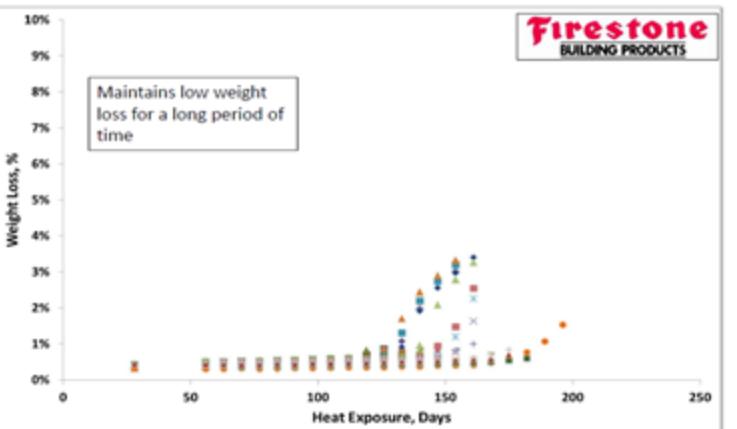
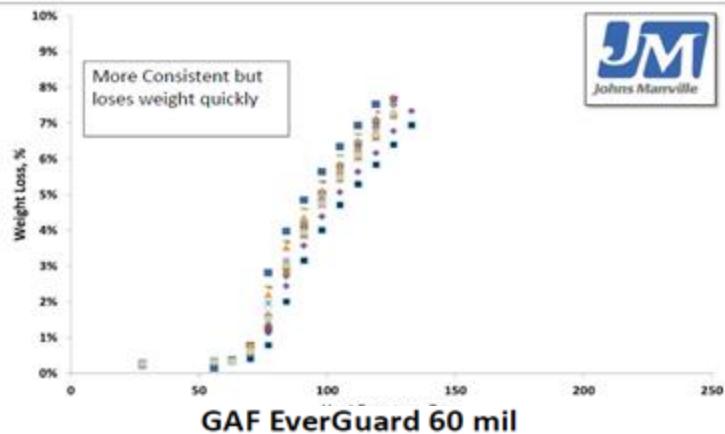
Competitive learning of eroding membrane

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Poor Formula & Inconsistent

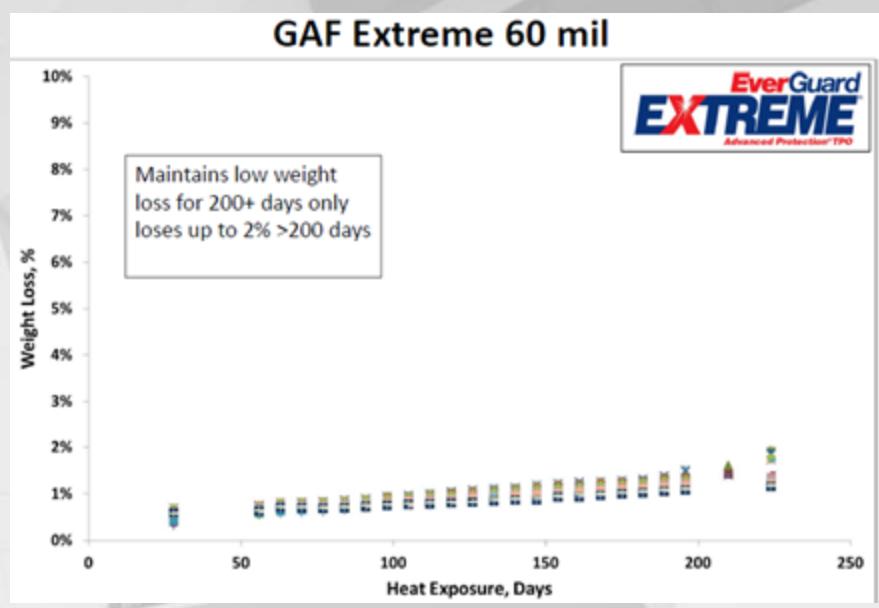
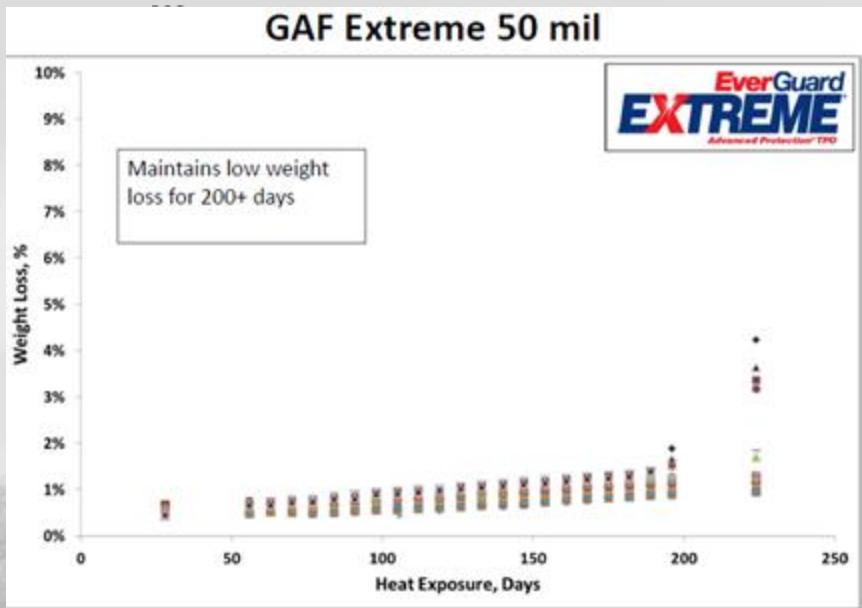


Poor Formulation...But Consistent



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Conclusiones del Estudio

- Todo TPO excede las normas ASTM de especificación
- Las propiedades físicas son todas similares
- Existen grandes diferencias en la predicción de la intemperización.
- GAF tiene los 3 mejores TPO's
- GAF Everguard es superior a todos los demás TPO's