



Self-Adhered vs Cold Applied Roof Membranes



Through innovative research and development, low-slope asphalt roof systems are continually advancing, making these systems more installer-friendly while maintaining their superior reliability and durability. Facing labor shortages and the need to maximize profit, commercial roofers have had to find new ways to move efficiently from one project to the next. Traditional low-slope roofing methods utilizing mopped asphalt or torch welding come with application constraints and safety considerations that can increase time spent on a job site and create challenges for workers, resulting in increased contractor insurance costs. Traditional installation methods can also generate fumes that cause discomfort for clients.

Polyglass redesigned the manufacturing process to apply self-adhesive (SA) compound on the side lap of the modified bitumen membrane, as well as the bottom layer of the membrane. SA to SA bond of SEALLap® ULTRA not only improves the immediate and long-term adhesion at the side lap, but also provides a completely monolithic seal and sets a new standard for time and labor installation savings.

SEALLap® technology, the patented factory applied adhesive treatment along the side lap of Polyglass' ADESO® granulated cap sheets, set the standard in the industry for ease of application, labor savings and long-term performance of self-adhered modified bitumen roofing membranes.

Why Choose Polyglass Self-Adhered Membranes?

- Simple and clean installation
- Safer than torch-applied alternatives
- Uniform adhesion
- Lower installed cost
- NO VOC's
- Simple tools needed
- Faster Dry In
- Superior Side Lap Strength
- Highly reflective white cap sheet also available - Polyfresko (UV reflectivity)



DUAL COMPOUND



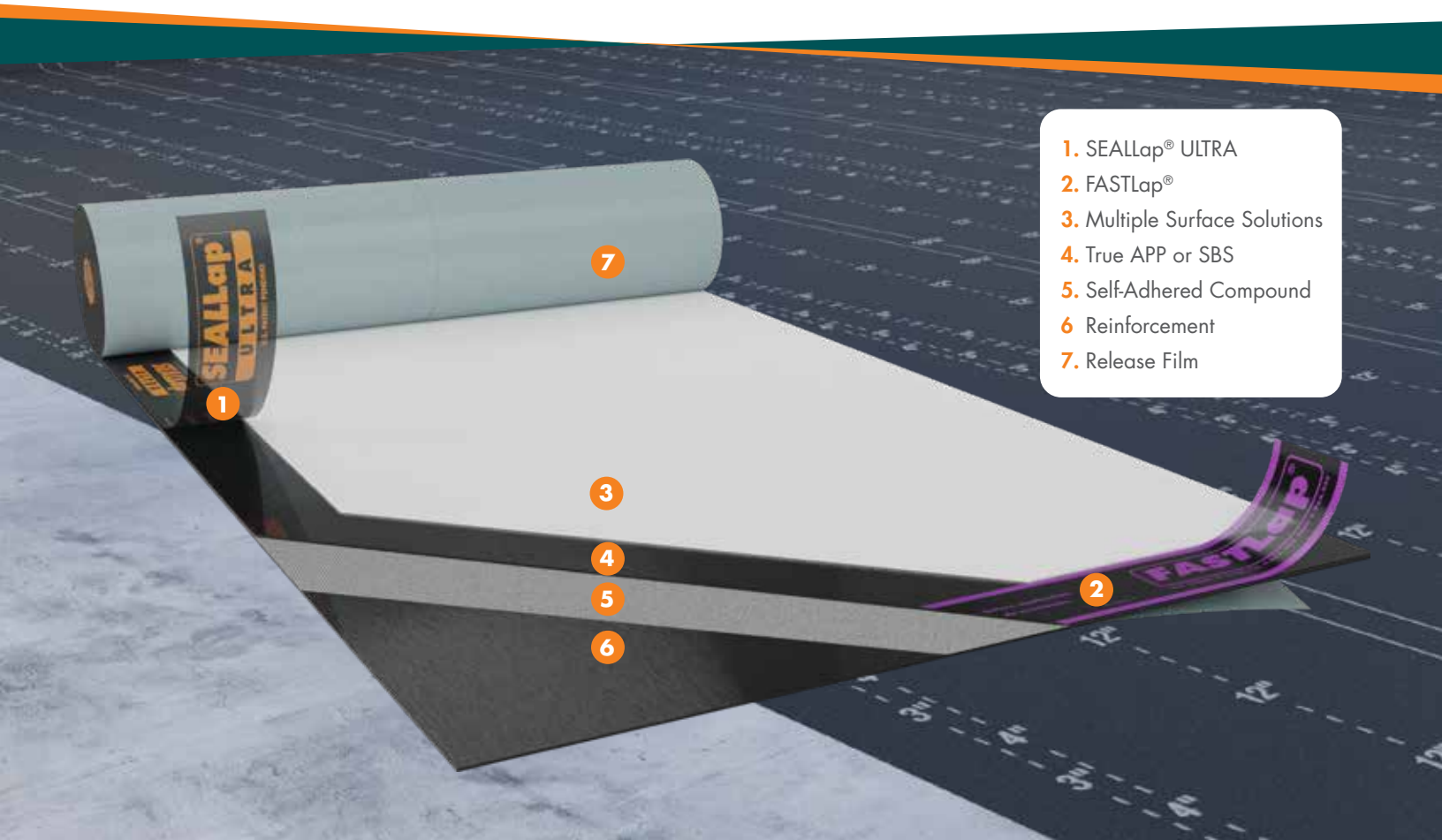
FASTLap®



SEALLap® ULTRA



MULTIPLE SURFACE SOLUTIONS



1. SEALLap® ULTRA
2. FASTLap®
3. Multiple Surface Solutions
4. True APP or SBS
5. Self-Adhered Compound
6. Reinforcement
7. Release Film

Seam Peel Testing

Polyglass ADESO® products now offer a side lap with greater shear strength than any other assembled mod bit roof system – torch, mop, cold or other non-Polyglass self-adhered. When compared to similar mod-bit membranes and traditional application methods:

+146%

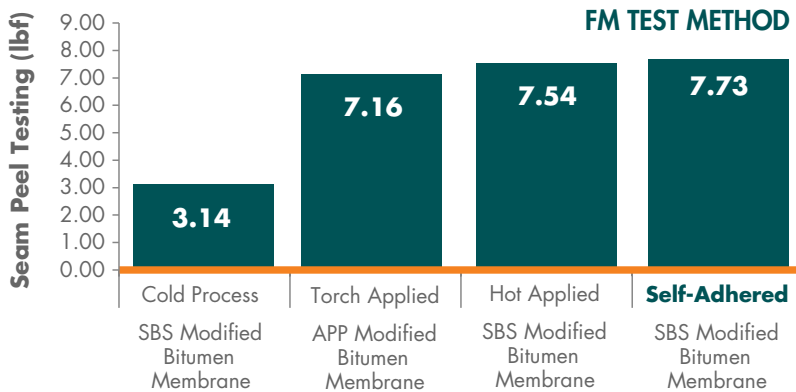
stronger than
Cold Process

+8%

stronger than
Heat Welded (Torch) APP

+2.5%

stronger than
Hot Applied



Cold Applied Membrane Facts:

- Cost can be higher than other roofing systems
- Labor intensive install
- Additional mixing time and material preparation required
- Sensitive to conditions at the time of application; often requires skilled applicators for optimal performance
- Messy, old technology
- Wrinkling can occur during cure time

FM allows 28-60 days for adhesive to cure (time needs to elapse before enough solvent flashes to increase the adhesive's internal strength sufficiently to resist blistering, wrinkling, and other issues to the top substrate).



Given all the advantages of self-adhered roof systems, it is easy to see why Self-Adhered Membranes are becoming the system of choice for many contractors and are highly recommended by architects, engineers, and consultants.

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