HULK SYSTEMS

HULK STPE® SIP Panel Air & Waterproofing System



Advanced Seam Protection for SIP Construction

Structural Insulated Panels (SIPs) rely on durable air and moisture management at joints, splines, penetrations, and transitions.

HULK STPE® creates a highly flexible, fully adhered waterproofing and air barrier system that protects vulnerable SIP interfaces while accommodating movement caused by thermal cycling and structural deflection.

Ideal Applications

- SIP panel seams
- Exterior panel joints
- Roof-to-wall transitions
- Ridge transitions
- Parapets
- Penetrations
- Window and door interfaces
- Fastener sealing
- Air barrier continuity
- WRB continuity

Why STPE Works for SIP Systems

The most common SIP failures occur at:

- Panel seams
- Splines
- Roof transitions
- Mechanical penetrations
- Fastener interfaces

HULK STPE® helps create a continuous protective envelope around these vulnerable areas while remaining permanently flexible.

The system is especially valuable on exposed jobsites where changing weather conditions can compromise traditional seam treatments and liquid-applied membranes.

Key Benefits

Exceptional Adhesion
Bonds aggressively to:

- OSB
- EPS foam
- Metal
- Cement board
- Flashings
- Composite substrates

Flexible Movement Accommodation
Maintains seal integrity during expansion, contraction, and seasonal thermal cycling.

Seamless Air Barrier Integration
Helps reduce air leakage and improve overall building envelope performance.

Moisture Intrusion Protection
Prevents water migration into SIP joints and vulnerable connection points.

Unpredictable Weather Performance
Can be installed in variable site conditions where changing weather creates scheduling pressure.

Fast Rain Resistance
Helps reduce weather-related delays by tolerating rain exposure shortly after application.

High-Build Coverage
Creates durable membrane protection quickly across joints, seams, and transitions.

Crack Bridging Performance
Maintains continuity across dynamic assemblies and irregular geometry.

Recommended System Areas:

- Exterior seam reinforcement
- Transition detailing
- Flashing integration
- Roof edge protection
- Penetration detailing
- Secondary waterproofing systems

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