

HULK STPE® Liquid-Applied Waterproofing Systems for Commercial Assets



Eliminate Hot Work. Mitigate Property Risk.

The Flame-Free, High-Performance Alternative to Traditional Torch-On and Hot-Asphalt Roofing.

In today's commercial real estate market, building owners and facility managers face a dual challenge: upgrading aging roof infrastructure while navigating skyrocketing property insurance premiums and strict safety liabilities. Traditional roofing installation methods rely heavily on open-flame torches or high-heat asphalt kettles, introducing catastrophic fire hazards to your asset. Our Silyl-Terminated Polyether (STPE) system offers a cold-applied, fully reinforced solution that eliminates operational disruption, lowers insurance risk, and delivers superior building envelope protection.

The Zero-Risk Premium Fire Advantage

100% Cold-Applied (Zero Hot Work)

By completely removing open-flame torches and asphalt kettles from the job site, you eliminate structural fire risks entirely. This allows building operations to continue uninterrupted, bypassing complex municipal hot-work permits, mandatory fire-watch hours, and tenant safety liabilities.

Certified Class A Fire Rated (FR)

Our STPE roofing systems achieve the highest standard of fire protection available in the industry. Formulated with advanced fire-retardant chemistry, the membrane acts as a protective shield that actively resists flame spread, meeting rigorous building code demands for high-density and high-occupancy commercial properties.

Exceptional Spark & Ember Resistance

Unlike standard volatile single-ply membranes, cured STPE creates an inert, dense elastomeric layer. It withstands direct wind-blown embers, hot airborne debris, and accidental sparks from adjacent HVAC maintenance or mechanical welding, preventing localized ignitions from turning into structural fires.

Optional Basalt Fabric Inlay

For high-risk environments, critical infrastructure, or severe industrial zones, we offer an optional basalt rock fiber fabric reinforcement matrix. Replacing standard polyester with volcanic basalt delivers extreme thermal stability, melting points above 1,400°C, and unmatched puncture resistance.

Why Insurance Companies Prefer HULK STPE Systems

Commercial property insurance underwriters in Western Canada are rapidly penalizing open-flame construction methodologies. Introducing hot-work to an occupied asset can lead to severe premium surcharges or outright denial of coverage during construction. Securing an STPE system provides distinct financial advantages:

- **Premium Relief:** Provide your insurance broker with a verified "Cold-Applied, No Hot-Work" declaration to actively negotiate down builder's risk insurance and structural liability riders.
- **No Fire-Watch Overhead:** Traditional torch-on requires dedicated, paid personnel to monitor the roof deck for up to 4 hours post-installation. STPE eliminates this costly labor overhead entirely.
- **Zero Structural Deductible Escalation:** Avoid the massive insurance deductibles commonly written into policies when open flames are brought on-site.

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Operational Blueprint: Odorless & Weather-Resilient Installation

Beyond fire mitigation, our STPE formulation is 100% solvent-free and completely odorless, ensuring that building occupants, schools, medical facilities, or offices can remain fully operational with zero chemical intake into air handling units. Its moisture-cure chemistry cures seamlessly on damp substrates, allowing construction schedules to press forward through unpredictable regional weather patterns.

Technical Performance Summary

Technology Base: Advanced Silyl-Terminated Polyether (STPE) Moisture-Cure Liquid Elastomer

Application Method: Cold liquid applied via heavy-duty roller or specialized airless spray rig

Fire Classification: CAN/ULC-S107 / ASTM E108 Class A Rated

Reinforcement Options: High-tensile polyester mesh or extreme thermal volcanic basalt mesh

VOC Status: Ultra-low to Zero VOC, Solvent-free, Phthalate-free