

When Recovering Existing Roof:

WHY TRITOflex?

INSTANT-SET LIQUID RUBBER

	TritoFlex	EPDM	Mod-Bit	PVC	TPO	Built-Up	SPUF
Application	Spray-applied quickly at 1,500 sq. ft./hour. Fully adhered, no fasteners needed. Sprayed to any thickness in one coat; truly monolithic and self-flashing. Typically 60 mils.	Rolls of rubber glued or fastened down and seamed with tape or glue. Requires a separation barrier from old roof. Typically 60 mils.	Rolls of roofing membrane adhered in cold or hot adhesive. Roof is heavy and labor intensive two-ply installation. Typically 240 mils.	Rolls of PVC glued or fastened down and seamed with hot air fusing. Requires a separation barrier from old roof. Typically 60 mils.	Rolls of TPO glued or fastened down and seamed with hot air fusing. Requires a separation barrier from old roof. Typically 60 mils.	Multiple plies of felt and hot asphalt. Roof is heavy, labor intensive and dangerous to install; Typically 240 mils.	Spray applied foam that requires experienced sprayer; Foam is not UV stable and requires protection layer of coating. Typically 2" thick.
Durability & Fire Protection	Extreme resistance to puncture and wind uplift; still flexible at -30 degree temps. Withstands hail and foot traffic. Class A fire rating	Poor resistance to puncture. Seams and fasteners can be problematic with time. Fair hail, fire & UV resistance.	Good puncture resistance; requires ongoing maintenance as materials degrade with UV. Fair fire rating.	Poor resistance to puncture. Fasteners problematic with time. Membrane is slippery when wet. Fair hail, fire & UV resistance.	Poor resistance to puncture. Seams and fasteners can be problematic with time. Fair hail, fire & UV resistance. Difficult to repair with age.	Good puncture resistance but sensitive to UV degradation; prone to long-term imperfections due to layered installation. Fair fire rating.	Requires elastomeric or silicon coating to prevent UV degradation of the foam; easily damaged by hail and punctures. Poor fire rating.
Substrate Adhesion	Incredible adhesion to virtually all roof substrates including gravel BUR; simple power wash and low VOC TritoPrime and ready to spray.	Bonding adhesive required that has disruptive fumes. Fair adhesion but adhesive is prone to damage with moisture.	Multiple layers can result in detrimental effects from dirt and moisture integration during installation. Fumes can be disruptive.	Bonding adhesive required that has disruptive fumes. Fair adhesion but adhesive is prone to damage with moisture.	Bonding adhesive required that has disruptive fumes. Fair adhesion but adhesive is prone to damage with moisture.	Multiple layers can result in detrimental effects from dirt and moisture integration during installation. Asphalt fumes can be disruptive.	Adequate peel adhesion to most substrates. Sensitive to moisture during installation.
Ponding Water	Withstands ponding of water; also used for ponds, fountains, planters and foundations.	Ponding water can result in seam failure. Warranty excludes ponding water.	Ponding water breaks down asphalt; warranties exclude ponding water.	Ponding water may accelerate plasticizer migration; warranties exclude ponding water.	Ponding water can result in splitting and cracks; warranties typically exclude ponding water	Ponding water breaks down asphalt; warranties exclude ponding water.	Ponding water can be detrimental to the foam and protection coating.
Chemical Make-up	Water-based; contains no VOC's. Considered "Green" and environmentally safe.	Thermoset; vulcanized rubber; Low-VOC content in rubber but adhesives are problematic.	Harmful fumes may be produced during application; Material used is not environmentally friendly.	Plastisol polymers drawn out by UV, heat, and rain; Low-VOC content in PVC but adhesives are problematic.	Thermoplastic compounds age and lose pliability. Low-VOC content in TPO but adhesives are problematic.	Usually hot-applied asphalt, which produces harmful fumes during application. Material used is not environmentally friendly.	Contains VOC's; closed-cell foam; fumes are harmful and require building to be sealed off; highest R value. Roof top vents/intakes must be closed to fumes
Versatility	Besides roof restoration also used for waterproofing the entire building envelope and beyond. Can be applied vertically.	Utilized for other waterproofing such as pond liners.	Used in below grade waterproofing besides above-grade roofing. Cannot be applied to steep slopes.	Used in plaza deck waterproofing besides above-grade roofing.	No other uses besides above-grade roofing.	No other uses besides above-grade roofing.	Also used as insulation, but not durable enough to withstand heavy foot traffic, ponding water, etc.

