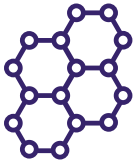


# Membranes



# STRESSPLY<sup>®</sup> MAX



StressPly Max membranes offer a robust solution for the toughest environments, using a high-tensile reinforcement and high-performance polymer utilizing a graphene-rich modified bitumen. Utilizing a dual polyester and fiberglass reinforcement, StressPly Max has superior tensile values supported by the graphene-enhanced modified bitumen. StressPly Max is formulated with Garland's additive blend called TripleBoost, which provides superior mineral embedment and reduces thermal degradation of the finished membrane.



## Maximum Strength

- Combination of the compound and reinforcement
- Tensile strength over 1,000 pounds
- Built with graphene



## Exceptional Weathering

- TripleBoost protection provides superior mineral embedment
- Allows for more surface area of the mineral to embed into the compound during manufacturing process
- Contributes to longevity of the membrane



## Superior Fire Resistance

- Specialty fire-retardant blend added to the compound
- Class A fire rating for combustible and non-combustible decks
- Graphene works with the compound to suppress smoke

**Tensile strength of over 1,000 pounds for superior durability and structural integrity.**

**TripleBoost reduces thermal degradation of the finished membrane.**

**Meets Class A fire rating over combustible and non-combustible decks.**



## The Garland Company, Inc.

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# StressPly<sup>®</sup> Max

## Features & Benefits

### Maximum Strength

<b>Graphene-modified compound</b>	Graphene is known for its superior strength. When integrated into the modified bitumen compound, it provides a reinforced network for maximum strength.
<b>High-tensile strength</b>	1,000 pounds force per inch provides superior strength and resists stress and movement in high-performance buildings.
<b>Flexibility</b>	Conforms tightly to roof transitions and resists cracking at ultra-low temperatures.

### TripleBoost Protection

<b>Exception weathering</b>	High-performance polymer technology provides impervious waterproofing to the roof membrane assembly.
<b>Robust blend</b>	Specialty additives included for superior processability and long-lasting UV protection of the polymers.
<b>Excellent mineral retention</b>	Allows more surface area of the mineral to embed into the compound for improved mineral retention and greater membrane longevity.

### Superior Fire Resistance

<b>Specialty fire retardants</b>	Provides a latent char forming layer for maximum resistance to fire.
<b>Superior fire rating</b>	Class A fire rating on combustible and non-combustible decks.
<b>Smoke suppressant</b>	Graphene works as a synergist with the compound to function as a smoke suppressant.




**STRESSPLY<sup>®</sup>  
MAX**

**Graphene-modified for superior strength**

## Advantages of StressPly<sup>®</sup> Max



Superior Strength



Exceptional Weathering



Class A Fire Rating



Graphene



Flexibility



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