



# APP GRANULATED TORCH

## APP MODIFIED SLATE SURFACED ROOFING MEMBRANE

### DESCRIPTION

**APP GRANULATED TORCH** is a polyester reinforced, slate surfaced cap sheet, saturated and coated with high quality **APP (Atactic Polypropylene)** modified bitumen.

**APP Granulated Torch** features a tough polyester reinforcement, giving the material excellent dimensional stability and very high mechanical strength. In addition, the APP polymers provide the product with enhanced flexibility and slump resistance at high temperatures.

The upper layer of **APP Granulated Torch** is coated with coarse-grained slate, protecting the membrane from ultraviolet exposure and the lower layer is finished with a unique snowflake printed thermofusible film to guide accurate and consistent torch-on application.



### USES

**APP Granulated Torch** is designed for use as a high performance cap sheet (top layer) in a built-up roofing systems. Typically it is used in conjunction with a high performance underlay such as **New Castle Building Product's APP Smooth Torch**.

The characteristics of **APP Granulated Torch** means that it can be installed reliably and efficiently, while its polymer modified formulation provide it with both low temperature flexibility and high temperature stability.

### KEY FEATURES & BENEFITS

- Rapid torch-down application
- APP modified formulation
- Excellent quality polyester reinforcement
- Exceptional flow resistance at high temperatures
- Choice of color - white & black

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### TECHNICAL DATA

**HARMONISED STANDARD:**  
EN 13707:2004 + A2:2009

PROPERTIES	UNIT	APP GRANULATED TORCH	TEST METHOD
Length x width	feet (m)	32.8 (10) x 3.3 (1)	EN 1848-1
Thickness	inches (mm)	0.177 (4.5) ± 5%	EN 1849-1
Mass per unit area	pounds (kg/m <sup>2</sup> )	9.92 (4.5) ± 5%	EN 1849-1
Flexibility at low temperature	F (°C)	≤ 14 (-10)	ASTM D5147 (EN 1109-1)
Flow resistance at elevated temperature	°C	≥ 130	EN 1110
Reinforcement type	-	polyester	-
Elongation Longitudinal Transverse	%	40 ± 10 40 ± 10	ASTM D5147 (EN 12311-1)
Tensile strength Longitudinal Transverse	N/50mm	630 ± 200 630 ± 200	ASTM D5147 (EN 12311-1)
Nail shank tear resistance Longitudinal Transverse	N	200 ± 50 200 ± 50	ASTM D5147 (EN 12310-1)
Peel resistance of joints (A/M)	N/50mm	-	EN 12316-1
Shear resistance of joints	N/50mm	-	EN 12317-1
Adhesion of granules	%	15 ± 15	EN 12039
Reaction to fire		CLASS F	ASTM E108-11
Protective covering type: on the top on the bottom		white / black	

### APPLICATION

**APP Granulated Torch** membranes should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice.

All operatives using torch guns or hot air guns during installation should be competent and capable of using such items in a safe and responsible manner. Care must also be taken when using torches and hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Ensure that the surface is dry, free of oil, fat and dust and other impurities. **APP Granulated Torch** is then bonded to the previously prepared substrate or roofing underlay by using the torch-on application method.

The **APP Granulated Torch** membrane should be heated carefully, ensuring that the dispersible film completely melts as work proceeds and maintaining a 0.2" (5 mm) bead extrusion from all laps. Side laps must follow the manufactured mineral free pilot selvedge with end laps at minimum of 3'9" (100 mm). The cap sheet should be offset 11'8" (300 mm) from the underlay to avoid side build up of overlaps.

### HEALTH & SAFETY

Care should be taken to ensure that Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request.

### CHEMICAL RESISTANCE

**APP Granulated Torch** is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, chlorine hydrocarbons, oils and greases may loosen the product and should be avoided.

### STORAGE

Store rolls upright in a cool, dry place and protect from direct sunlight. Falls or other mechanical impacts should be avoided during transportation and storage.

### QUALITY ASSURANCE

**APP Granulated Torch** is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.

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