



APP SMOOTH TORCH

APP MODIFIED SAND SURFACED ROOFING MEMBRANE

DESCRIPTION

APP SMOOTH TORCH is a polyester reinforced underlay membrane which is saturated and coated with high quality APP (Atactic Polypropylene) modified bitumen.

APP Smooth 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 membrane is protected with fine grain sand on its upper side and features a unique snowflake printed thermofusible film on the underside to guide accurate and consistent torch-on application. **APP Smooth Torch** is suitable for both torch-on application or bonding with hot or cold adhesive.



USES

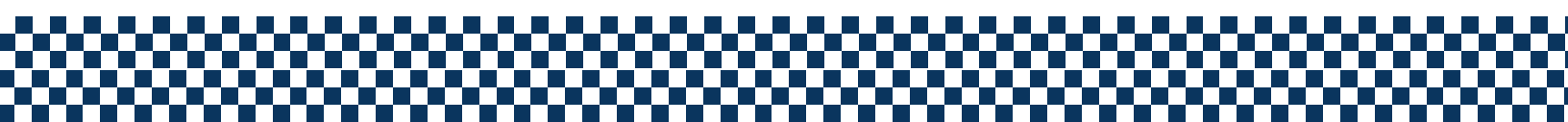
APP Smooth Torch is designed for use as a high performance underlay (base layer) in built-up roofing systems. It is typically installed used in conjunction with a high performance cap sheet such as **New Castle Building Product's APP Granulated Torch**.

The torch-on characteristics of **APP Smooth 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
- Smooth sand surface

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TECHNICAL DATA

HARMONISED STANDARD:

EN 13707:2004 + A2:2009 / EN 13969 + A1:2006

PROPERTIES	UNIT	APP SMOOTH 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 ²)	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)
Watertightness	kPd	200	EN 1928
Reaction to fire		CLASS F	ASTM E108-11
Protective covering type: on the top on the bottom		fine grey sand film	

APPLICATION

APP Smooth 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 Smooth Torch** is then bonded to the previously prepared substrate by using the torch-on application method.

The **APP Smooth 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 selvage with end laps at minimum of 3'9" (100 mm). The cap sheet should be offset 1'8" (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 Smooth 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 Smooth Torch is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.

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