

NISSHIN

MELTAN 200SP

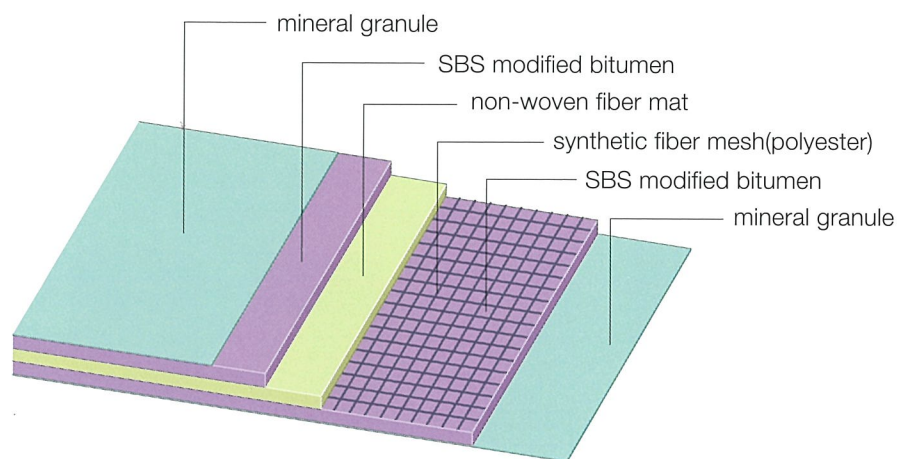


MELTAN 200SP

MELTAN 200SP is a high quality waterproofing material specially designed and marketed for the tropical countries based on the Nisshin's long years research and a lot of achievements in the tropics for many years.

The products is made from non-woven fiber mat laminated with reinforcement of polyester mesh, impregnated and coated by styrene butadiene styrene (SBS) modified bitumen. The surfaces are covered with mineral granules on both face and back side.

Product Composition



Product Characteristics

■ Improved Workability

Improved workability with lighter weight resulting in ease of installation and material handling.

■ Environmentally Friendly

CO₂ emission during manufacturing process is decreased by reduction of bitumen content in the product.

■ Improved Resistance to Earthquake

Decreased load to the building by reduced weight of the product.

Product Specification

- Width : 1 m
- Length : 21 m



TEST RESULT

ITEM OF TEST PRODUCT			TEST RESULT	COMPANY STANDARD
MASS OF ONE ROLL (kg)			31.0	30.0 min
LENGTH OF ONE ROLL (m)			21.04	21.0 min
WIDTH (mm)			1010	1000 min
UNIT MASS OF PRODUCT (g/m ²)			1450	1400 min
UNIT MASS OF WEB (g/m ²)			316	260 min
UNIT MASS OF ASPHALT (g/m ²)			636	600 min
TENSILE PERFORMANCE	TENSILE STRENGTH (N/cm)	LONGITUDINAL DIRECTION	142.7	80 min
		CROSS DIRECTION	103.5	80 min
	ELONGATION AT MAXIMUM LOAD (%)	LONGITUDINAL DIRECTION	7.5	5.0 min
		CROSS DIRECTION	6.0	5.0 min
	3% TENSILE STRENGTH (N/cm)	LONGITUDINAL DIRECTION	123.5	40 min
		CROSS DIRECTION	91.5	40 min
	TENSILE PRODUCT REFERRING TO 10mm OF WIDTH (N•%/cm)	LONGITUDINAL DIRECTION	1070	400 min
		CROSS DIRECTION	620	400 min

TEST BY JIS A 6022



Woodlands Checkpoint

MELTAN 200SP



Break Strength of Waterproofing Membrane

This superior waterproofing membrane provides high modulus performance, better strength and dimensional stability.

High break strength of waterproofing membrane come from high elongation and high modulus of the material.

(a) High elongation and low modulus roofing

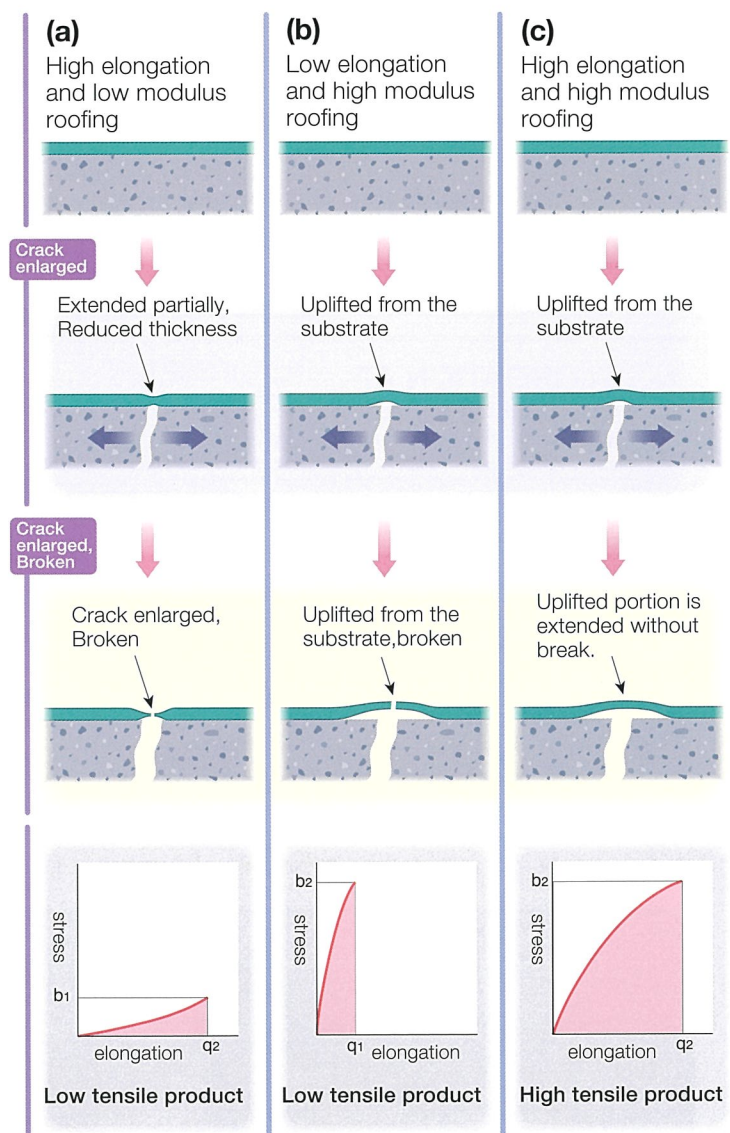
When the substrate is cracked, the roofing is extended partially over the cracked place, and finally broken by enlarged crack.

(b) High modulus and low elongation roofing

When the substrate is cracked, the roofing is uplifted over the cracked place without break, but finally broken when the crack is enlarged.

(c) High modulus and high elongation roofing

When the substrate is cracked, the roofing is uplifted over the cracked place, and uplifted area will be extended even by enlarged crack without break to some extent.



WORKS



Toa Payoh HDB Hub



WCEGA Building & The Splendour



Ngee Ann City



Pinnacle
@ Duxton

MELTAN 200SP

Application Method

■ CLEANING AND CHECKING OF THE SUBSTRATE



- Remove the dust and waste prior to application of waterproof membrane.
- Check the substrate on the following points:
 - ① well dried
 - ② flat and free from the defects such as warp, lift-up, weak, prong spots etc.
 - ③ no obstacles for adhesion such as dust, oils and fats, stains, rusts etc.

■ COATING OF PRIMER



- Primer is to be coated uniformly by roller-brush etc. with designated volume use.
- Next process such as over-coating is to be executed after dry-up of the previous work.

■ TRIAL PLACEMENT OF THE ROOFING, MELTAN 200SP



- Make trial placement of the roofing in order to decide the position on the substrate and to adjust the overlapping width.
- Re-roll the roofing evenly by adjusting both side laps.

■ APPLICATION OF THE ROOFING, MELTAN 200SP.

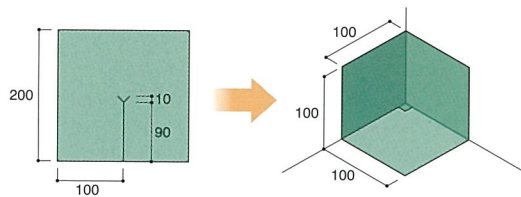


- Re-rolled roofing is to be applied at the designated position on the substrate with roofing asphalt

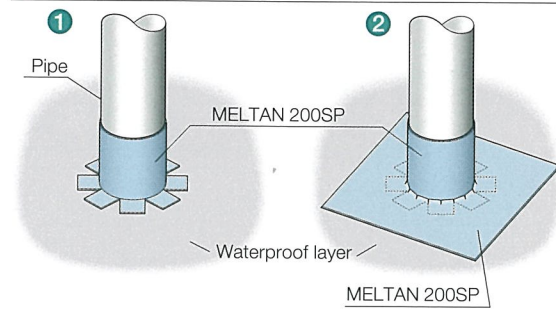


Application Method

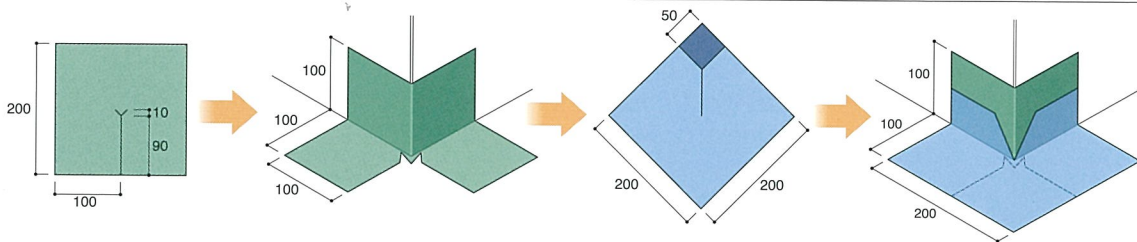
1 INTERNAL CORNER



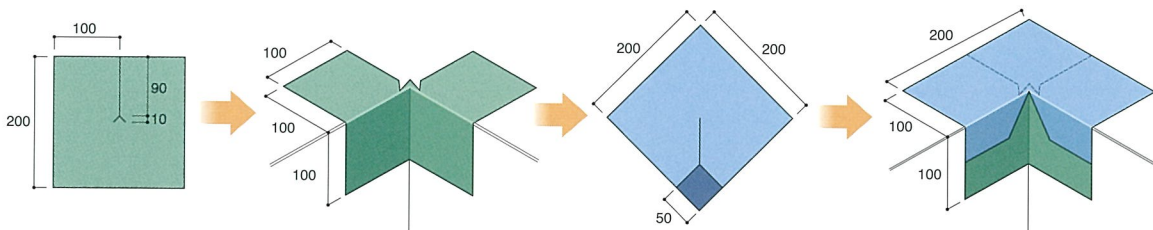
PIPE



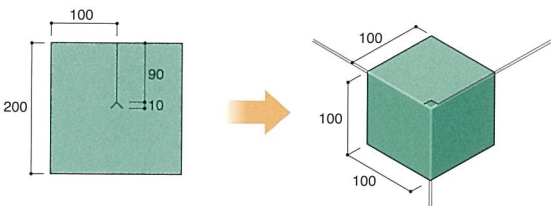
2 EXTERNAL CORNER



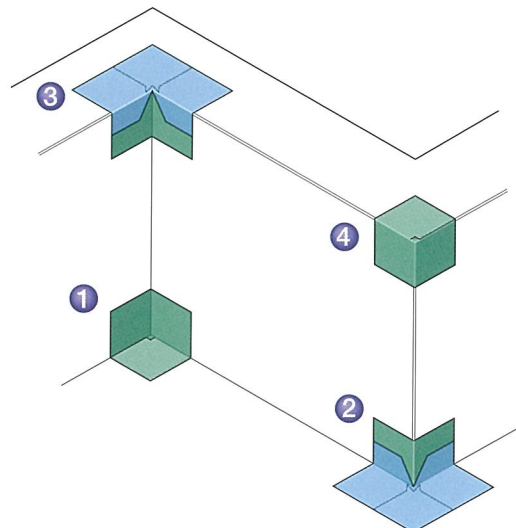
3 INTERNAL CORNER AT THE TOP



4 EXTERNAL CORNER AT THE TOP



SUMMARY





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