

# UT WOVEN®

Agreement Certificate 2007/332

## UT WOVEN UNDER-TILE MEMBRANE

UT Woven® is a new woven polypropylene membrane that has been specially formulated for use under roof tiles. It is 350 (micrometer) in thickness and made in rolls of 1,5 x 30m. UT Woven® is dimensionally stable, light in weight and weatherproof; handling and installation are easy, and will seal around nails. It is used for the prevention of draughts and dust penetration into roof spaces through tiles, and prevents damage to ceilings, rotting of timbers and corrosion of plumbing. Dust has also been known to penetrate between cornices and walls, initiating or aggravating allergies in susceptible people. The membrane is also designed to prevent moisture from warm damp air reaching and condensing on the ceiling boards and other vulnerable points in the building fabric. UT Woven® also prevents strong wind from lifting and ripping off roof tiles. Most home loan institutions insist on the use of under-tile membrane where the roof pitch is less than 26 degrees or more than 45 degrees and in exposed coastal areas.

## UT WOVEN SPECIFICATIONS

One layer of UT Woven® weatherproof sheeting, installed over common rafters and under battens to receive tiles. Allow a minimum overlap of 100 mm.

## CLOSED SOFFIT DETAIL

Boarding to be used at the open eaves to carry the UT Woven® to the gutter. The boarding gives added security to the structure because it prevents wind-lift of the tiles from the underside of the open soffit.

## OPEN SOFFIT DETAIL

Turn down the UT Woven® over the fascia board at the eaves and seal into the gutter.

UT WOVEN®  
SANS 952-1985 TYPE E

PROPERTY	REQUIREMENT*
Thickness, Um, min.	350
Mass per unit area, min, g/m2	100
Tensile properties	
a) Breaking strength, N/mm of width, min.	2,16 min
b) Elongation at break, %, min	50
Puncture resistance, N/mm of thickness, min	29,0
(Optional test, see 4.5.3)	
Tear Strength, N/mm of thickness, min.	65,0
Resistance to accelerated aging, % property	
Retention, min	
a) Breaking strength	90
b) Elongation at break	90
Resistance to accelerated weathering, % property	
Retention, min	
a) Breaking strength	80
b) Elongation at break	80
Water vapour transmission rate, g/m².24 h,max	12.2

## BENEFITS

- The material equalises the pressure and complements the function of the roof tiles.
- It is flexible and easily handled.
- It is used for the prevention of draughts and dust penetration into the roof spaces through tiles, and prevents damage to ceilings, rotting of timbers and corrosion of plumbing.
- The membrane is also designed to prevent moisture from warm damp air reaching and condensing on ceiling boards and other vulnerable points in the building fabric.

LDPE Bonding 23 gsm  
80 gsm Spunbond

