Thermakraft™

CI/SIB

JULY 2015

Thermakraft Drainage Matt

WaterWay 9714M Wall Application

Design and application Guide and Specifications Retrofit Insulation in existing Houses

Description

Thermakraft Drainage Matt WaterWay 9714M is a nominal **7mm** thick drainage product consisting of a three dimensional mesh of Polypropylene synthetic monofilaments, UV stabilized, tangled and welded where they are cross laminated. WaterWay 9741M is designed for use with all traditional timber wall cladding materials. This rainscreen product provides an uninterrupted drainage path & ventilation for incidental moisture between exterior cladding materials and wall Underlay's when retrofitting bulk insulations such as fiberglass, wool and polyester segments in existing walls

Recommended Applications

- *Plywood*
- *Traditional Stucco*
- *Timber Weatherboards*
- *EIFS*
- *Fiber-Cement*
- *Brick*

Features and Benefits

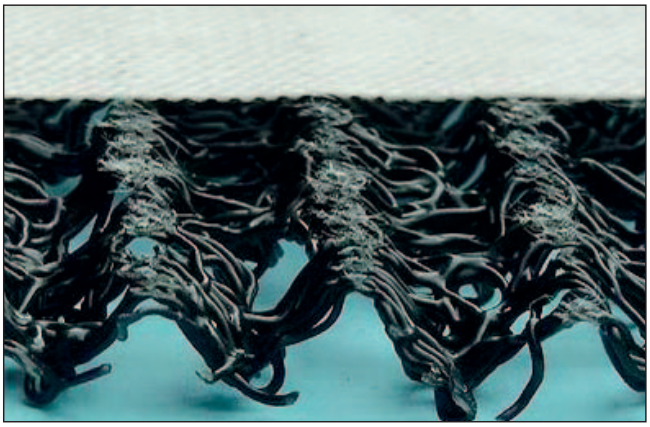
Creates space for water drainage & ventilation
50 times faster at draining water than standard weather resistive barriers
Keeps wet claddings away from moisture sensitive building components such as insulation & interior linings
90% Open space within cavity
Provides cushion between building & cladding assembly- Reduced cracking
Fire Rated to ASTM E84 Class "A"

Technical Data		
Physical Properties	metric	WaterWay9714M
Core Material	Polypropylene	
Total Thickness	mm	7.5
Total Weight	g/m²	350

Flow Gal/Ft/Min	
Pressure	**Gal/min*ft**
418 psf	11.11
1044 psf	5.02

Deflection & Compression		
Pressure	**Residual thickness**	
	Inches	**(mm)**
209 psf	0.260	(6.70)
627 psf	0.22	(5.50)
1253 psf	0.14	(3.50)
2089 psf	0.13	(3.40)

Standard Packaging Information		
Product	metric	WaterWay9714M
Width	Cm	1470
Length	Meters	11.37
Area	m²	16.7
Roll Diameter	cm	30.0
Gross roll weight	kg	5.8



ASTM D 4716-04 EN ISO 12958

Thermakraft™

P. 0800 806 595 F. +64 9 273 3726 E. sales@thermakraft.co.nz
11 Turin Place, East Tamaki, Auckland 2013
PO Box 58112, Botany, Auckland 2163
www.thermakraft.co.nz

Thermakraft™

CI/SIB

JULY 2015

Thermakraft Drainage Matt

WaterWay 9714M

Installation Procedure

These suggestions represent generally accepted procedures for successful installation. It may be followed, modified. Or rejected by the owner, engineer, contractor or their representative to accommodate project specific requirements.

Prior to installation of the insulation, the contractor's or owner's responsibility is to ensure that:

1. The cladding is sound, that there are no voids or other protrusions or conditions that would interfere with the drainage plane. Acceptable sheathing types include code compliant grade plywood, timber cladding, water-resistant gypsum and others. Consult NZ Building Code for approved materials.
2. The substrate is flat or plumb within 6.4mm in a 1.2m radius.
3. Windows and doors have been properly flashed and sealed and also that roof flashings have been properly installed. Refer to NZ Building Code E2, and Metal Roofing Manufacturers Roofing Code of Practice, and Thermakraft Design and User Guidelines.
4. Wall Underlay is properly installed to allow drainage without water penetration. The Wall Underlay should be cut neatly to fit into the wall cavities, covering cladding, studs and nogs.
5. Ensure that the inserted insulation fits neatly into the cavity with no gaps.
6. **Take extra care around electrical cables, and never fasten or staple directly near wires as severe injury or death can occur from electrocution.**
7. Before installing insulation and lining, ensure that the timber and cladding is completely dry.
8. Treat any rot with approved fungicide or replace where necessary.
9. Ensure that the insulation is flush or below the wall face as not to cause any bulging or deformation of the interior lining.

Storage & Handling

Drainage Matt WaterWay 9714M should be stored at temperature between 10 degrees to 30 degrees, out of direct sunlight

Drainage Matt WaterWay 9714M installed ready for underlay

Drainage Matt WaterWay 9714M with **Watergate Plus** installed

Completed with wall lining and insulation

Thermakraft™

P. 0800 806 595 **F.** +64 9 273 3726 **E.** sales@thermakraft.co.nz
11 Turin Place, East Tamaki, Auckland 2013
PO Box 58112, Botany, Auckland 2163
www.thermakraft.co.nz