

# SISALATION® METAL ROOF

Heavy Duty (453)

## PRODUCT DESCRIPTION

Outer layers of aluminium foil bonded to high density kraft papers, bonded together with a heavy coating of flame retardant adhesive

and reinforced with strands of fibreglass. One face is blue to reduce any problems with reflected glare during installation.

## PRODUCT APPLICATION

Sisalation® Metal Roof Heavy Duty (453) is a Heavy Duty reflective foil laminate recommended for use in the sarking of metal roofs. When used in conjunction with an airspace it is an effective thermal insulation material because of the high reflectivity and low

emissivity of its aluminium foil surfaces. It also provides an effective barrier against moisture, vapours, wind, heat and dust penetration when overlapped and sealed with Sisalation® Vapastop® 883 self adhesive aluminium tape.

## THERMAL PERFORMANCE

Sisalation® Metal Roof Heavy Duty (453) complies with the requirements of AS/NZS4859.1. The contribution of this product to Total R-value depends on installation and environmental conditions

which include the effect of dust.  
Emittance of reflective foil surface  $\leq 0.03$  and antiglare  $\leq 0.1$

## SPECIFICATION

Sisalation® Metal Roof Heavy Duty (453) satisfies the BCA requirements for sarking type materials. It complies with the requirements of AS/NZS4200.1 for "Pliable Building Membranes" which is deemed to satisfy manual recognised by the BCA Part 3.5 Roof and Wall Cladding. It has a low flammability index (not greater than 5) in accordance with AS1530.2 which satisfies the BCA Part 3.7.1 Fire Hazard Properties (Class 1 & 10 Buildings).

It also satisfies BCA Specification C1.10 Fire Hazard Properties (Class 2 to 9 Buildings).

When specifying, state the following:

Product Name: Sisalation® Metal Roof Heavy Duty (453)  
Duty: Heavy Duty  
Application: Metal Roof

## PHYSICAL PROPERTIES

Classifications according to AS/NZS 4200.1

Duty . . . . . Heavy  
Vapour Barrier . . . . . High  
Emittance . . . . . Reflective

Water Barrier . . . . . High  
Flammability Index . . . . . Low ( $\leq 5$ )

## CHEMICAL PROPERTIES

Do not allow contact with wet mortar or concrete: alkalis' attack aluminium foil.

## INSTALLATION

Sisalation® Metal Roof Heavy Duty (453) should be installed in accordance with AS/NZS4200.2 for the Installation Requirements for "Pliable Building Membranes". External cladding should be installed without delay. Sisalation® in roofs should be installed with a sag of 40mm between rafters. To achieve the stated Total

R-values a minimum air space of 40mm is required adjacent to each reflective foil face. We recommend that all products in the Sisalation® Metal Roof End Used Category™ should be installed under the battens.

## STANDARD ROLL SIZES

Roll Width	1500mm	1350mm	1350mm	1350mm	1000m
Roll Length	30m	60m	30m	20m	30m
Roll Area	45m <sup>2</sup>	81m <sup>2</sup>	40.5m <sup>2</sup>	27m <sup>2</sup>	45m <sup>2</sup>

Other roll sizes available on application.

## HEALTH AND SAFETY

There are no known health or safety risks associated with this product for applications described in this datasheet. For additional information or to request a Material Safety Data Sheet please

visit [www.sisalation.com.au](http://www.sisalation.com.au) or contact your nearest Fletcher Insulation™ office.

Manufactured in Australia by Fletcher Insulation (NSW) Pty Ltd under an ISO9001 Certified Quality Management System.

Fletcher Insulation (NSW) Pty Ltd ABN 72 001 175 355

161 Arthur Street, Locked Bag 38, Homebush NSW 2140. Phone: +612 9752 9200 Fax: +612 9764 3175

©Fletcher Insulation (NSW) Pty Ltd, March 2007. YPA/6840/APRIL07

