

DESCRIPTION

ISOLINE® T50 is a durable, lightweight, and dry undertile waterproofing system, perfect for roofs finished with traditional interlocking clay or concrete tiles. Designed with precision, these bitumen sheets provide exceptional protection against water penetration, keeping your building completely leak-free. Reliable and easy to install, the sheets deliver lasting performance for both new constructions and renovations.

APPLICATION

- Rigid underlays for roofing, suitable for new constructions and renovations. Designed for use with interlocking tiles on individual and collective housing, commercial, institutional, or historical buildings. Suitable for low pitched roofs as low as 15% (9°).

BENEFITS

- Very durable waterproofing: Prevents leaks even if tiles shift or break
- Quick Weatherproofing and Flexible Renovation: The building is quickly protected against water, giving installers the flexibility to take their time with tile installation. Additionally, the sheets can be installed progressively in vertical sections, enabling partial or complete roof renovations to be done step by step.
- Flexible design adapts to uneven roof structures, making it ideal for renovations, and creates a perfect deck for tiles. Also suitable for low pitched roofs.
- Promotes natural roof ventilation both above and below the corrugations, consequently extending the lifespan of the tiles.

TECHNICAL CHARACTERISTICS

Material	Bitumen reinforced with cellulosic fibers and thermosetting resin and colored with inorganic pigments
Item Length (cm)	200
Item Length Tolerance	[-0.4 ; +2] cm
Item Width (cm)	100,8
Item Width Tolerance	± 2cm
Item Thickness (mm)	2,4
Item Thickness Tolerance	±10 %
Corrugation Height (mm)	24
Corrugation Height Tolerance (mm)	2
Corrugation Pitch (mm)	48
Corrugation Pitch Tolerance (mm)	2
Corrugation Number	21
Item Surface (SQM)	2,016

Mean Net Weight (kg)	6,24
Item net weight Tolerance	± 0.30 kg

MECHANICAL & PHYSICAL PROPERTIES

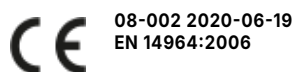
Bending Under Downward Load (N/m ²)	> 500
Water Impermeability (Pass/Fail)	Pass
Water Vapour Permeability (μ)	< 4000
Dimensional Tolerances	NPD*
Recycled Content (%)	47% Post-consumer recycled content
Recycled Content Evidence	ICC-ES VAR -1016 Environmental Report
Water Impermeability After Freeze Per Thaw Ageing (Pass/Fail)	Pass
Thermal Coefficient (1/K)	Pass
Reaction To Fire (Class)	E
External Fire Performance (Class)	NPD*

INSTALLATION

Installation Recommendation	Special conditions of installation are required. Refer to the installation guide
Handling Recommendation	Recommended Protective equipments (PPE): Safety Shoes (SBP, SP1, S3), Mechanic Gloves, Eye Protection equipment (safety glasses)
Overhang Maximum (mm)	50
Number of Fixings Required per sheet (for Reference Pitch)	12
Number of fixings required per sqm (for Reference Pitch)	8
Minimum Pitch Required (%)	15
Minimum Pitch Required (°)	9
Reference Pitch (%)	30
Reference Pitch (°)	16.5
Horizontal Overlap (mm) (for Reference Pitch)	140
Vertical Overlap (mm) (for Reference pitch)	96
Maintenance	See Bitumen Sheets Maintenance Guide
Disposal Information	Residue code : 170302 (bituminous mixtures other than those mentioned in 170301)

WARRANTY

30-year degressive waterproofing warranty with conditions - See terms and conditions in official documentation



Tariff code - HS : 68079000

This TDS was made based on currently available information. Product was made in accordance with above mentioned parameters but producer/distributor can't anticipate any future change as well as change of regulations. It is the consumer's responsibility to use the product in accordance to producer/ distributor recommendations and his needs. All the claims will be considered with respect to application recommendations issued by Onduline company.

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