



www.btm.co

Bituminous Waterproofing Membranes Co.
Kemalpaşa Org. San. Bölgesi Mah. Gazi Bulvarı. No:
152 Kemalpaşa / İZMİR / TURKEY
Tel: +90 0232 877 04 02 (8 line)
Fax: +90 0232 877 04 10

PRODUCT DATA SHEET



TS EN 544

SHINGLE 4 TAB

Document number : PDS-063-1

Publication Date : 05th, Jan. 2009 Revision date : 20th, May. 2010

PRODUCT DESCRIPTION	Bitumen shingles with mineral and synthetic reinforcements			
PRODUCT COMPOSITION	Reinforcement: Type 4- Glass non woven with or without longitudinal reinforcement by films or grid Coating Type : Tip X- Oxidized bitumen Mineral: Type 2- Mineral Granules			
USAGE	Used for waterproofing of pitched roofs and/or wall cladding.			
APPLICATION METHOD	Mechanically fixed by galvanised nails . Please refer to application booklet.			
TOP SURFACE	Coloured mineral			
BOTTOM SURFACE	Fine sand			
STORAGE	Keep the bundles from direct sunlight			
ECOLOGICAL DATA	Can be used in natural atmosphere			
TEST	METHOD	UNIT	TOLERANCE	VALUES
Width	TS EN 544	mm	±3	1000
Height	TS EN 544	mm	±3	333
Tensile Strength (Longitudinal)	TS EN 12311-1	N/5 cm	Min.	600
Tensile Strength (Transverse)	TS EN 12311-1	N/5 cm	Min.	400
Nail Shank Tear resistance (Transverse)	TS EN 12310-1	N	Min.	100
Water Absorption	TS EN 544	%	Max.	2
Resistance to UV radiation	TS EN 1297	-	-	PASS
Resistance to UV blistering	TS EN 544	-	-	PASS
Flow resistance at elevated temperature	TS EN 1110	mm	Max.	2
Adhesion of mineral granules	TS EN 12039	gr	Max.	2,5
Reaction to fire	TS EN 13501-1	-	-	E
External fire performance	TS ENV 1187 - TS EN 13501-5	-	-	Broof
Weight of Bitumen	TS EN 544	gr/m ²	Min.	1300

NPD = (No performance defined)

* For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

The manufacturer serves the right to modify, at any time, the characteristics of its products

BF/14-17-0