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Bituminous Waterproofing Membranes Co.  
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## PRODUCT DATA SHEET



TS EN 544

# SHINGLE RUBY

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<b>PRODUCT DESCRIPTION</b>	Bitumen shingles with mineral and synthetic reinforcements			
<b>PRODUCT COMPOSITION</b>	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			
<b>USAGE</b>	Used for waterproofing of pitched roofs and/or wall cladding.			
<b>APPLICATION METHOD</b>	Joined by self-adhesive part. Please refer to application booklet.			
<b>TOP SURFACE</b>	Coloured mineral			
<b>BOTTOM SURFACE</b>	Siliconized film			
<b>STORAGE</b>	Keep the bundles from direct sunlight			
<b>ECOLOGICAL DATA</b>	Can be used in natural atmosphere			
TEST	METHOD	UNIT	TOLERANCE	VALUES
Width	TS EN 544	mm	±3	1000
Height	TS EN 544	mm	±3	320
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 (90°C)	TS EN 1110	mm	Max.	2
Adhesion of mineral granuls	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 <sup>2</sup>	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

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