CE

Nuova Meridiana

CHRONO VV

COMPOUND

The waterproofing compound of CHRONO membranes is made up of a mix of empty residue distilled bitumen modified with plastomeric polymers based on atactic polypropylene, isotactic polypropylene, synthetic rubber and stabilizing aggregate fillers. The compound is UV rays resistant, thermally stable and duly flexible at low temperatures.

REINFORCEMENT

The reinforcement used for CHRONO VV membranes is made up of a reinforced glass fiber rot-proof which gives to the product remarkable mechanical characteristics, sufficient breaking elongation, as well as excellent dimensional stability. Such characteristics allow to use these membranes on non-particularly stressed surfaces.

OUTSIDE FINISHING

The CHRONO VV membrane is treated on the upper side with non-stick filler; other finishings such as polymeric film and non-woven may also be used. The lower side is finished with PE torch-on film; other finishings such as aggregate, polymeric films, non-woven non-stick polymers may also be used.

LAYING METHOD

The laying deck shall be clean, smooth and dry. For a better adhesion it may be previously treated either with solvent based primer or with water based primer. The membrane is then laid by melting the lower side with light propane gas flame. Edges shall be overlapped, always by torch, by at least 10 cm. on the sides and 15 cm. on top so that the roofing watertightness is granted**.**

USE

The CHRONO VV membranes are planned to be used as under and middle layer		
		
	Under and middle layer membranes	

PACKAGING

PRODUCT	THICKNESS (mm)	WEIGHT (kg/m^2)	ROLL DIM. (m) width x length	ROLLS per PALLET	m^2 per PALLET
CHRONO 3 VV	-	3	1 x 10	33	330
CHRONO 4 VV	-	4	1 x 10	27	270

The published data are indicative average values of the current manufacture and can be modified by producer without notice. The technical information come from our experience with regard to characteristics and use of the product. Given the many different uses and possible factors beyond our control which may intervene, we are not to be held responsible for the results. Purchasers have to assess under their responsibility if the product is suitable for the required use. The Nuova Meridiana polymer bitumen membranes products are based on bitumen coming from crude oil distillation and do not contain coal tar, asbestos or chlorine, they are recyclable and are not a dangerous waste. The polymer bitumen membrane which this data sheet refers to, is not subject to the obligation of safety profile issuing. An informative data sheet, inclusive of laying method instructions for a correct use of the product, is available on request.

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CHRONO VV

O.N. Notice code: 1370
FPC certificate number: 1370-CPR-0042
Reinforcement type: Reinforced glass fiber
Compound type: Bitumen modified with Polypropylene (BPP).
Surface finishing: Upper side: aggregate / PE / PP polymeric film, NON-WOVEN, non-stick polymers
Lower side: aggregate / PE / PP polymeric film, NON-WOVEN, non-stick polymers.
Laying method:
- For lower side finishing with aggregate, polymeric films, non-stick polymers, Non-Woven: Propane-gas light flame
- For lower side finishing with aggregate: hot glues, cold glues.

FOR A CORRECT USE OF THE PRODUCT PLEASE REFER ANYWAY TO THE MANUFACTURER'S TECHNICAL DOCUMENTS

TEST DESCRIPTION	STANDARDS	M / U	NOMINAL VALUES		TOLERANCES
			CHRONO 3 VV	CHRONO 4 VV	
Reference norms			EN 13707	EN 13707 / EN 13969	
Use	-	-	Under and middle layer	Under and middle layer	-
Visible defects	UNI EN 1850-1	-	Pass the test	Pass the test	-
Length	UNI EN 1848-1	m	10,00 - 1%	10,00 - 1%	Min.
Width	UNI EN 1848-1	m	1,00 - 1%	1,00 - 1%	Min.
Straightness	UNI EN 1848-1	mm	20 mm x 10 m	20 mm x 10 m	Max
Mass per unit area	UNI EN 1849-1	Kg/m^2	3	4	± 10%
Watertightness (B method)	UNI EN 1928	Kpa	60 - Pass the test	60 - Pass the test	Kpa Min. ≥ 10
External fire exposure behaviour	EN 13501-5	-	Froof	Froof	-
Reaction to fire	EN 13501-1	Class	NPD	NPD	-
Tensile strenght L/T (max load)	UNI EN 12311-1	N/50mm	300 / 200	300 / 200	-20%
Breaking elongation L/T	UNI EN 12311-1	%	2 / 2	2 / 2	-2 absolute
Resistance to tearing L/T	UNI EN 12310-1	N	70 / 70	70 / 70	-30 %
Flexibility at low temperature	UNI EN 1109	°C	0	0	Min.
Flow resistance at elevated temperature	UNI EN 1110	°C	110	110	Min.

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