

DANODREN H15

DANODREN H15 is a high density polyethylene (HDPE) brown nodular sheet. Its main use is for protection and eventual vertical drainage.



TECHNICAL DATA

TECHNICAL DATA	VALUE	UNIT	STANDARD
Reaction to fire	E	-	EN 13501-1
Liquid water watertightness (10 kPa)	Pasa	-	EN 1928
Longitudinal tensile strength	> 300	N/50mm	EN 12311-2
Transversal tensile strength	> 250	N/50mm	EN 12311-2
Longitudinal elongation	> 30	%	EN 12311-2
Transversal elongation	> 20	%	EN 12311-2
Tear resistance (by nail)	300 ± 100	N	EN 12310-2
Peel resistance	NPD	N/50 mm	EN 12317-2
Shear resistance	170 ± 30	N/50mm	-
Impact resistance	> 300	mm	EN 12691
Resistance to static loading	> 20	kg	EN 12730
Durability of watertightness against artificial aging (10 kPa)	Pasa	Pasa	EN 1296 / EN 1928
Durability of watertightness against chemical agents (10 kPa)	Pasa	Pasa	EN 1847 / 1928
Dangerous substances	NPD	-	-

ADDITIONAL TECHNICAL DATA

ADDITIONAL DATA	VALUE	UNIT	STANDARD
Compressive strength	180 ± 20%	kN/m ²	UNE-EN-ISO 604
Air volume between nodules	5.9	l/m ²	-
Temperature range	-30 a 80	°C	-
Nodules number	1907	-	-

ENVIRONMENTAL INFORMATION

PARAMETERS	VALUE	UNIT	NORM
Pre-consumer recycled content	20	%	-
Post-consumer recycled content	80	%	-
Manufacturing Location	Fontanar, Guadalajara (España)	-	-
Volatile organic compounds (VOC)	PND	-	-
Solar reflectance index (SRI)	PND	-	-

STANDARDS AND CERTIFICATION

Main regulatory

1. EN 13967: Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet. Definitions and characteristics.

CE marking

1. In accordance with standard UNE-EN 13967 for all high density polyethylene products manufactured by DANOSA.
2. AENOR marking granted to DANODREN H, in accordance with standard EN 13967.

Quality management

Company registration BUREAU VERITAS according to EN-ISO 9001 granted to DANOSA manufacturing plant in Fontanar (Guadalajara).

Environmental management

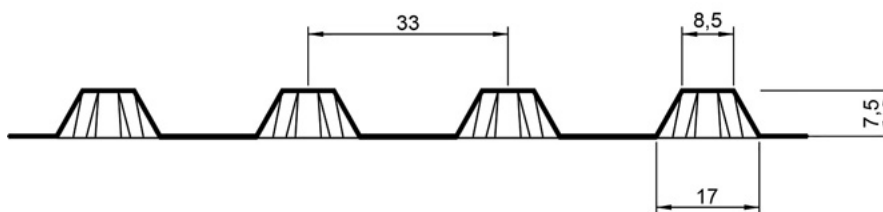
Company registration BUREAU VERITAS according to EN ISO 14001 granted to DANOSA manufacturing plant in Fontanar (Guadalajara).

SCOPE

1. Drainage and protection of the waterproofing of buried walls in building and civil works, such as false tunnels and underpasses.
2. Floors drainage and protection, when there is not hydrostatic pressure or the floor is over the phreatic level.
3. Rehabilitation of basements and underground constructions affected by humidity.
4. Drainage for inverted roofs with continuous pavements. The drainage is placed between the thermal insulation and the pavement.

PRESENTATION

PRESENTATION	VALUE	UNIT
Length	28	m
Width	2,1	m
Roll surface	58.8	m ²
Rolls per pallet	6	rolls
Product Code	314304	-



ADVANTAGES AND BENEFITS

1. Quick and easy installation.
2. Resistant to breakage, impact and deformation.
3. Resistant to chemical agent of the soil. Rot.
4. Provides great durability of the building and the structures against humidity and external factors.
5. It protects the wall avoiding direct contact with the humidity and it allows the drainage of the water, thus limiting the hydrostatic pressure.
6. Protection of the waterproofing against punching of soil.
7. In rehabilitation cases, it creates an air chamber between the underground basement affected by the humidity and the new finish, allowing its ventilation and drying.

■ WARNING

The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations.

Orders are accepted in accordance with the terms of our current General Sales Conditions.
DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation.

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