



Wallbarn Protecto-drain 8

Technical features	Technical data	Test Method
Material	High density polyethylene (HDPE)	
Roll width	2 metres	calibrated measuring tape
Roll length	20 metres	calibrated measuring tape
Roll weight	550 gsm ($\pm 10\%$)	calibrated thickness measuring tape
Rolls per pallet	12	
Compression strength	250 kN per m ²	MDV
Height of cups	8mm	MDV
Number of cups	1500 pieces per m ²	MDV
Air volume between the cups	5.5 litres per m ²	MDV
Water drainage capacity	4.6 litres per m ²	MDV
Temperature tolerance	- 30°C to + 80°C	MDV
Reaction to fire	B2 (B1 available by special request)	DIN 4102
Physical characteristics	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
Application		
<p>Used as a mechanical protection against soil and root movement along foundation walls. It can be installed with a 20cm overlap and fixed with nails and sealing buttons 5 cm from the top edges of the roll and 20cm from each roll. Edging profile is installed to prevent soil ingress into the cavity . Maximum build-up 8 metres high.</p> <p>Laid horizontally and fixed using sealing tape in the overlapping areas the sheets protect concrete flooring from rising damp and keep reinforcement mesh in place firmly during the concrete works.</p>		
Storage and handling		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
Guarantee / warranty		
<p>When used in the correct manner and application, the material will be rot proof for 20 years. Wallbarn application rules and proper site storage, handling and installation practices must be carried out as a prerequisite for any possible future warranty claims.</p>		
Health and safety		
No known dangerous substances. No health hazards under normal use		

This datasheet represents the current knowledge of the product, but may be revised by Wallbarn in the future. It is the duty of the customer and installer to be clear that this product is suitable for the purposes it is used for.



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Wallbarn Protecto-drain G8

Technical features	Technical data	Test Method
Membrane material	High density polyethylene (HDPE)	
Filter material	Polypropylene geotextile (100gsm)	
Roll width	2 metres	calibrated measuring tape
Roll length	15 metres	calibrated measuring tape
Roll weight	650 gsm (±10%)	calibrated thickness measuring tape
Rolls per pallet	6	
Height of cups	8mm	MDV
Compression strength	250 kN per m ²	MDV
Number of cups	1500 pieces per m ²	MDV
Resistance to water penetration	W1	EN 1928
Tensile strength MD	≥ 330 N / 50mm	EN 12311-2
Tensile strength CMD	≥ 335 N / 50mm	EN 12311-2
Elongation MD	≥ 28.7 N	EN 12311-2
Elongation CMD	≥ 26.2 N	EN 12311-2
Resistance to tearing MD	≥ 332 N	EN 12310-1
Resistance to tearing CMD	≥ 349 N	EN 12310-1
Resistance to static loading	No perforation at 200 N in 24 hrs	EN 12730
Durability	waterproof / passed	EN 1296 & EN 13984
Exposure to liquid chemicals	waterproof	
Air volume between the cups	5.5 litres per m ²	MDV
Water drainage capacity	4.6 litres per m ²	
Temperature tolerance	- 30°C to + 80°C	MDV
Reaction to fire	B2 (B1 available by special request)	DIN 4102
Physical characteristics	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
Storage and handling		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
Guarantee / warranty		
When used in the correct manner and application, the material will be rot proof for 20 years. Wallbarn application rules and proper site storage, handling and installation practices must be carried out as a prerequisite for any possible future warranty claims.		
Health and safety		
No known dangerous substances. No health hazards under normal use		

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Wallbarn Protecto-drain 20

Technical features	Technical data	Test Method
Material	High density polyethylene (HDPE)	
Roll width	2 metres	calibrated measuring tape
Roll length	20 metres	calibrated measuring tape
Roll weight	1,000 gsm (±10%)	calibrated thickness measuring tape
Rolls per pallet	5	
Compression strength	180 kN per m ²	MDV
Height of cups	20mm	MDV
Air volume between the cups	14 litres per m ²	MDV
Water drainage capacity	10 litres per m ²	MDV
Temperature tolerance	- 30°C to + 80°C	MDV
Reaction to fire	B2 (B1 available by special request)	DIN 4102
Physical characteristics	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
Application		
<p>Used as a mechanical protection against soil and root movement along foundation walls. It can be installed with a 20cm overlap and fixed with nails and sealing buttons 5 cm from the top edges of the roll and 20cm from each roll. Edging profile is installed to prevent soil ingress into the cavity . Maximum build-up 8 metres high.</p> <p>Laid horizontally and fixed using sealing tape in the overlapping areas the sheets protect concrete flooring form rising damp and keep reinforcement mesh in place firmly during the concrete works.</p>		
Storage and handling		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
Guarantee / warranty		
<p>When used in the correct manner and application, the material will be rot proof for 20 years. Wallbarn application rules and proper site storage, handling and installation practices must be carried out as a prerequisite for any possible future warranty claims.</p>		
Health and safety		
No known dangerous substances. No health hazards under normal use		

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Wallbarn Protecto-drain 20P

Technical features	Technical data	Test Method
Material	High density polyethylene (HDPE)	
Roll width	2 metres	calibrated measuring tape
Roll length	20 metres	calibrated measuring tape
Roll weight	550 gsm ($\pm 10\%$)	calibrated thickness measuring tape
Rolls per pallet	5	
Compression strength	180 kN per m ²	MDV
Height of cups	20mm	MDV
Air volume between the cups	14 litres per m ²	MDV
Water drainage capacity	10 litres per m ²	MDV
Temperature tolerance	- 30°C to + 80°C	MDV
Reaction to fire	B2 (B1 available by special request)	DIN 4102
Physical characteristics	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
Application		
Used as a drainage and reservoir membrane for EXTENSIVE green roof applications. It can be installed by loose laying and overlapping cups by 20 cm then covering immediately with substrate / soil to ballast membrane. Compliant with green roof standard UNI 11235:2007		
Storage and handling		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
Guarantee / warranty		
When used in the correct manner and application, the material will be rot proof for 20 years. Wallbarn application rules and proper site storage, handling and installation practices must be carried out as a prerequisite for any possible future warranty claims.		
Health and safety		
No known dangerous substances. No health hazards under normal use		

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