



## Wallbarn Protecto-drain 8

Technical features	Technical data	Test Method
<b>Material</b>	High density polyethylene (HDPE)	
<b>Roll width</b>	2 metres	calibrated measuring tape
<b>Roll length</b>	20 metres	calibrated measuring tape
<b>Roll weight</b>	550 gsm (±10%)	calibrated thickness measuring tape
<b>Rolls per pallet</b>	12	
<b>Compression strength</b>	250 kN per m <sup>2</sup>	MDV
<b>Height of cups</b>	8mm	MDV
<b>Number of cups</b>	1500 pieces per m <sup>2</sup>	MDV
<b>Air volume between the cups</b>	5.5 litres per m <sup>2</sup>	MDV
<b>Water drainage capacity</b>	4.6 litres per m <sup>2</sup>	MDV
<b>Temperature tolerance</b>	- 30°C to + 80°C	MDV
<b>Reaction to fire</b>	B2 (B1 available by special request)	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
<b>Application</b>	<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>	
<b>Storage and handling</b>	Protect against prolonged exposure to direct sunlight and temperatures over 25 °C	
<b>Guarantee / warranty</b>	<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>	
<b>Health and safety</b>	No known dangerous substances. No health hazards under normal use	

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Data last reviewed 1 July 2010



## Wallbarn Protecto-drain 8 LIGHT

Technical features	Technical data	Test Method
<b>Material</b>	High density polyethylene (HDPE)	
<b>Roll width</b>	2 metres	calibrated measuring tape
<b>Roll length</b>	20 metres	calibrated measuring tape
<b>Roll weight</b>	450 gsm (±10%)	calibrated thickness measuring tape
<b>Rolls per pallet</b>	12	
<b>Compression strength</b>	170 kN per m <sup>2</sup>	MDV
<b>Height of cups</b>	8mm	MDV
<b>Number of cups</b>	1500 pieces per m <sup>2</sup>	MDV
<b>Air volume between the cups</b>	5.5 litres per m <sup>2</sup>	MDV
<b>Water drainage capacity</b>	4.6 litres per m <sup>2</sup>	MDV
<b>Temperature tolerance</b>	- 30°C to + 80°C	MDV
<b>Reaction to fire</b>	B2 (B1 available by special request)	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
<b>Application</b>		
<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>		
<b>Storage and handling</b>		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
<b>Guarantee / warranty</b>		
<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>		
<b>Health and safety</b>		
No known dangerous substances. No health hazards under normal use		

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## Wallbarn Protecto-drain G8

Technical features	Technical data	Test Method
<b>Membrane material</b>	High density polyethylene (HDPE)	
<b>Filter material</b>	Polypropylene geotextile (100gsm)	
<b>Roll width</b>	2 metres	calibrated measuring tape
<b>Roll length</b>	15 metres	calibrated measuring tape
<b>Roll weight</b>	650 gsm ( $\pm 10\%$ )	calibrated thickness measuring tape
<b>Rolls per pallet</b>	6	
<b>Height of cups</b>	8mm	MDV
<b>Number of cups</b>	1500 pieces per m <sup>2</sup>	MDV
<b>Resistance to water penetration</b>	W1	EN 1928
<b>Tensile strength MD</b>	$\geq 330$ N / 50mm	EN 12311-2
<b>Tensile strength CMD</b>	$\geq 335$ N / 50mm	EN 12311-2
<b>Elongation MD</b>	$\geq 28.7$ N	EN 12311-2
<b>Elongation CMD</b>	$\geq 26.2$ N	EN 12311-2
<b>Resistance to tearing MD</b>	$\geq 332$ N	EN 12310-1
<b>Resistance to tearing CMD</b>	$\geq 349$ N	EN 12310-1
<b>Resistance to static loading</b>	No perforation at 200 N in 24 hrs	EN 12730
<b>Durability</b>	waterproof / passed	EN 1296 & EN 13984
<b>Exposure to liquid chemicals</b>	waterproof	EN 1847
<b>Air volume between the cups</b>	5.5 litres per m <sup>2</sup>	MDV
<b>Water drainage capacity</b>	4.6 litres per m <sup>2</sup>	MDV
<b>Temperature tolerance</b>	- 30°C to + 80°C	MDV
<b>Reaction to fire</b>	B2 (B1 available by special request)	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
<b>Application</b>		
<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>		
<b>Storage and handling</b>		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
<b>Guarantee / warranty</b>		
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.		
<b>Health and safety</b>		
No known dangerous substances. No health hazards under normal use		

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## Wallbarn Protecto-drain PL8

Technical features	Technical data	Test Method
<b>Membrane material</b>	High density polyethylene (HDPE)	
<b>Webbing / mesh</b>	Polypropylene yarn	
<b>Roll width</b>	2 metres	calibrated measuring tape
<b>Roll length</b>	10 metres	calibrated measuring tape
<b>Roll weight</b>	550 gsm (±10%)	calibrated thickness measuring tape
<b>Rolls per pallet</b>	tbc	
<b>Compression strength</b>	250 kN per m <sup>2</sup>	MDV
<b>Height of cups</b>	8mm	MDV
<b>Number of cups</b>	1500 pieces per m <sup>2</sup>	MDV
<b>Air volume between the cups</b>	5.5 litres per m <sup>2</sup>	MDV
<b>Water drainage capacity</b>	4.6 litres per m <sup>2</sup>	MDV
<b>Temperature tolerance</b>	- 30°C to + 80°C	MDV
<b>Reaction to fire</b>	B2 (B1 available by special request)	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
<b>Application</b>		
<p>Used as a mechanical protection against soil and root movement along foundation walls, a damp proof membrane and false wall membrane with rendering / plastering housing. 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. Webbing mesh designed to support rendering.</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>		
<b>Storage and handling</b>		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
<b>Guarantee / warranty</b>		
<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>		
<b>Health and safety</b>		
No known dangerous substances. No health hazards under normal use		

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## Wallbarn Protecto-drain 20

Technical features	Technical data	Test Method
<b>Material</b>	High density polyethylene (HDPE)	
<b>Roll width</b>	1.9 metres	calibrated measuring tape
<b>Roll length</b>	20 metres	calibrated measuring tape
<b>Roll weight</b>	1,000 gsm (±10%)	calibrated thickness measuring tape
<b>Rolls per pallet</b>	5	
<b>Compression strength</b>	180 kN per m <sup>2</sup>	MDV
<b>Height of cups</b>	20mm	MDV
<b>Air volume between the cups</b>	14 litres per m <sup>2</sup>	MDV
<b>Water drainage capacity</b>	10 litres per m <sup>2</sup>	MDV
<b>Temperature tolerance</b>	- 30°C to + 80°C	MDV
<b>Reaction to fire</b>	B2 (B1 available by special request)	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
<b>Application</b>		
<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>		
<b>Storage and handling</b>		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
<b>Guarantee / warranty</b>		
<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>		
<b>Health and safety</b>		
No known dangerous substances. No health hazards under normal use		

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## Wallbarn Protecto-drain 20P

Technical features	Technical data	Test Method
<b>Material</b>	High density polyethylene (HDPE)	
<b>Roll width</b>	2 metres	calibrated measuring tape
<b>Roll length</b>	20 metres	calibrated measuring tape
<b>Roll weight</b>	550 gsm ( $\pm 10\%$ )	calibrated thickness measuring tape
<b>Rolls per pallet</b>	5	
<b>Compression strength</b>	180 kN per m <sup>2</sup>	MDV
<b>Height of cups</b>	20mm	MDV
<b>Air volume between the cups</b>	14 litres per m <sup>2</sup>	MDV
<b>Water drainage capacity</b>	10 litres per m <sup>2</sup>	MDV
<b>Temperature tolerance</b>	- 30°C to + 80°C	MDV
<b>Reaction to fire</b>	B2 (B1 available by special request)	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water. No health hazards under normal use	
<b>Application</b>		
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		
<b>Storage and handling</b>		
Protect against prolonged exposure to direct sunlight and temperatures over 25 °C		
<b>Guarantee / warranty</b>		
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.		
<b>Health and safety</b>		
No known dangerous substances. No health hazards under normal use		

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## Wallbarn Protecto-drain 60P

Technical features	Technical data	Test Method
<b>Material</b>	Recycled polypropylene	
<b>Material thickness</b>	2 mm	calibrated thickness measuring tape
<b>Tray width</b>	500 mm	calibrated measuring tape
<b>Tray length</b>	500 mm	calibrated measuring tape
<b>Tray weight</b>	4 kg per m <sup>2</sup>	
<b>Units per pallet</b>	720 pieces (180 m <sup>2</sup> )	
<b>Compression strength</b>	6,000 kg per m <sup>2</sup>	
<b>Height of cups</b>	60mm	
<b>Void beneath membrane (air gap)</b>	35 litres per m <sup>2</sup>	
<b>Horizontal drainage capacity</b>	20 litres per m <sup>2</sup>	
<b>Horizontal drainage surface</b>	1,144 cm <sup>3</sup> per m <sup>2</sup>	
<b>Holes per m<sup>2</sup></b>	500	
<b>Temperature tolerance</b>	- 30°C to + 80°C	
<b>Reaction to fire</b>	B2	DIN 4102
<b>Physical characteristics</b>	Rot-proof, resistant to fungus and bacteria. Will not leach chemicals. Not harmful to drinking water.	
<b>Application</b>	Used as a drainage and reservoir membrane for INTENSIVE green roof applications. It can be installed by clicking each tray together to form a rigid, stable layer. Conforms to BS EN 13252. Compliant with green roof standard UNI 11235:2007	
<b>Storage and handling</b>	Protect against prolonged exposure to direct sunlight and temperatures over 25 °C	
<b>Guarantee / warranty</b>	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.	
<b>Health and safety</b>	No known dangerous substances. No health hazards under normal use	

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