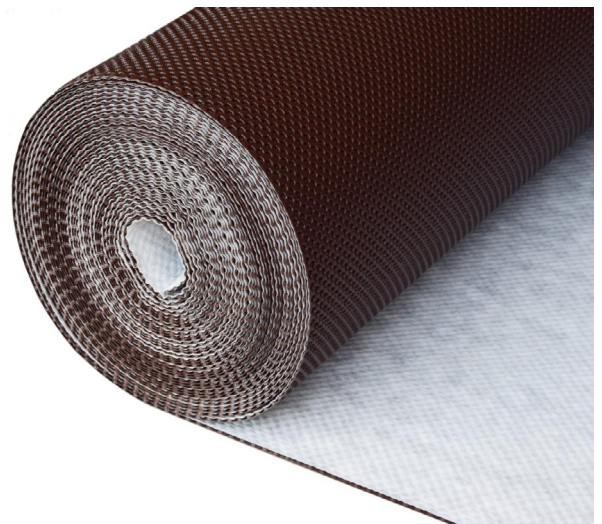


Technical Data Sheet

HYDRODRAIN MS500

Hydrodrain MS500 is a 4mm dimpled sheet which acts as both a protection and drainage layer. Comprising of high density polyethylene with laminated hydrophilic geotextile made of polypropylene.

Designed for use in ballasted roof applications, Hydrodrain MS500 provides a larger contact surface area, improving pressure distribution by a factor of four (8,900 dimples/ m²) to ensure optimum load distribution. The compressive strength is 500 kN/m².



Technical specification

Characteristics	Unit	Value
Dimple height	mm	≈ 4
Air gap	l/m ²	≈ 2.6
Service temperature range	°C	From -30 to +80
Characteristic opening size (EN ISO 13433)	mm	≈ 0.06
Drainage capacity	l/s	≈ 0.6
Compressive strength	kN/m ²	≈ 500
CE conformity	-	DIN EN 13252
Roll size	m	2 x 30

Durability

Hydrodrain MS500, when used as prescribed, should not require any regular maintenance and will remain effective for a life at least as long as that of the roof waterproof covering. Hydrodrain MS500 will provide an effective barrier to the transmission of water, water vapour and salts.

Handling and storage

Hydrodrain MS500 must be stored and transported in a secure, upright position. Although Hydrodrain MS500 is UV stable, where possible, packs should be stored inside. If outside, packs should be raised off the ground, not in contact with ground moisture.

Appropriate PPE should be worn when handling.

Installation

Installation should always be completed in accordance with industry codes of practice and regulations.

To prevent damage, ensure the surface is clean, clear of debris and free from dust before installing Hydrodrain MS500.

Hydrodrain MS500 can be cut to size on site with a knife. Make sure that when cutting, the waterproofing membrane is protected.

When installing Hydrodrain MS500, the dimpled side should be face down with the white geotextile on the upper side.

Environmental

Hydrodrain MS500 is rot-proof and is resistant to chemical substances and root penetration.

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