

W-S Niche

Cut-out niche

RECORTABLE

Description

Niche made from the W-S BOARD panels, with integrated slopes that facilitate the flow of water thanks to its own structure. Watertight to the passage of water. Assembled by the installer.

Features

Adaptability to installation
Waterproof
Tileable
Easy to cut with a utility knife

Technical data

Maximum length: 140 cm
Internal height without finish: 40 cm
Pre-sloped base 1.5%
Requires support structure

Manufacturer

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Producto

Ref.	Description	Internal length (cm)	Internal height (cm)
IM50020	W-S Niche Recortable	140	40

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Testing data

Features	Method	Unity	Value
Nominal density	ASTMC303	m ³	40
Compressive strength	ASTM D1621	kPa	330
Flexural strength	IAMPO Z24	-	Pass
Impact load test in area	IAMPO Z24	%	>1,1
Resistance to fungal and mould growth	PS 106 - 5.5	-	Pass
Thermal resistance (RSI value)	ASTM C518	m ² -K/W	0,4
Fire reaction classification	EN 13501-1	-	C S2 d0
Shear resistance between the tile and the surface of the W-S BOARD:			
7-day drying		N/mm²	0,82
7-day water immersion		N/mm²	0,57
4 weeks	ASTM C482	N/mm²	0,92
12 weeks		N/mm²	0,95
100-day water immersion		N/mm²	0,59
Temperature resistance	-	°C	-30 / +80

Suitable substrates

- Dry partition walls with profiles of minimum width 90 mm.

Limitations / Cautions

- Not suitable for use in outdoor applications.
- Do not expose W-S NICHE unprotected to the sun for more than 30 days.
- W-S NICHE must be covered with tile or other hard covering. If the WATER-STOP sheet of the panel is punctured during installation, treat with W-S MASTIC sealant. Apply the sealant and spread it to cover the perforated area and 50 mm around it.
- The upright structure and horizontal reinforcements must be prepared in the desired position and dimensions on which the niche is to be fixed.

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Installation

Fixing:

Attach the niche directly to the horizontal studs and braces using W-S BOARD washers and corresponding screws. Use wood screws for wood studs and self-tapping screws for metal studs. The screws selected must be long enough to reach a depth of at least 10 mm into metal studs.

Walls:

The screws must be spaced at a maximum horizontal spacing of 30 cm.

Starting at the bottom of the niche space, install the W-S NICHE into the wall studs using the appropriate screw.

Fit the panels over the centre of the uprights.

Keep the niche in firm contact with the frame while fitting the fixings.

Joining between components:

The components forming W-S NICHE must be glued together using W-S MASTIC.

Jointing and waterproofing:

W-S NICHE is watertight, but for a watertight installation, all joints of the outer frame of W-S NICHE with the rest of W-S BOARD must be sealed by applying W-S BAND.

Use a cement adhesive class C2 according to EN 12004 or ISO 13007-1 applied with a 3 × 3 notched trowel.

Place the W-S BAND and press firmly into the adhesive. Remove any trapped air and ensure full adhesion to the material by spreading the adhesive from the inside out using a trowel or similar and removing and smoothing excess material.

Tiles can be installed immediately using class C2 tile adhesive according to EN 12004. Choose a notched trowel suitable for the tile format.

Technical drawings

