

W-S NICHE

DESCRIPTION: Niche made from W-S BOARD panels, with integrated slopes to facilitate the flow of water. Watertight structure. The shelf is delivered separately to be installed at the desired height.

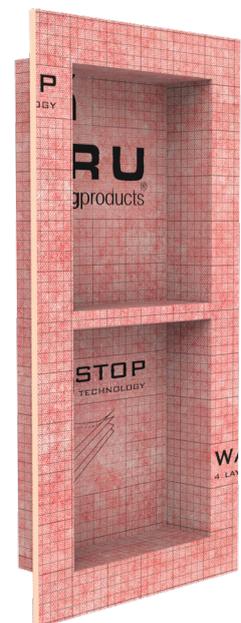
USE: Suitable for wet areas, such as bathrooms, and can also be installed in kitchens or anywhere else that requires a recessed niche in the wall.

STANDARDS: IAPMO PS 106, ANSI A118.10, ASTM E96, TCNA Handbook

MANUFACTURER: ESTIL GURU S.L.U.

REFERENCES:

REFS.	DESCRIPTION	INTERNAL MEASUREMENTS (cm)	SHELF
IM50002	W-S NICHE	30,5 x 71 x 9	INCLUDED



TEST TABLE:

CHARACTERISTICS	METHOD	VALUE
Nominal density	ASTM C303	40 m ³
Compression strength	ASTM D1621	330 kPa
Bending strength	IAPMO Z24	Pass
Impact load test in area	IAPMO Z24	> 1.1 %
Resistance to Mold and Fungal Growth	PS 106 - 5.5	Pass
Thermal Resistance (RSI Value)	ASTM C518	0,4 m ² -K/W
Fire Reaction Classification:	EN 13501-1	C S2 d0
Shear resistance between the tile and the surface of the W-S BOARD:		
7 days drying	ASTM C482	0,82 N/mm ²
7-day water immersion		0,57 N/mm ²
4 weeks		0,92 N/mm ²
12 weeks		0,95 N/mm ²
100 days water immersion		0,59 N/mm ²
Temperature resistance		-30°C / +80°C

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.

INSTALLATION:

Fixing:

Fix the niche directly to the uprights and horizontal braces using W-S BOARD washers and corresponding screws. Use screws suitable 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 of 30 cm vertically and 40 cm horizontally.
Starting at the bottom of the niche space, install the W-S NICHE to 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 attaching the fixings.

Shelf installation:

The supplied shelf can be installed at any desired height, dividing the interior space into two zones.

- » Determine the height at which the shelf will go.
- » Cover the sides and the bottom of the area under the shelf with ceramic tiles.
- » Apply a bead of W-S MASTIC to the side and rear edges of the shelf and place it on the bottom tiles.
- » Complete the cladding of the shelf itself and the rest of W-S NICHE.

Joint and waterproofing:

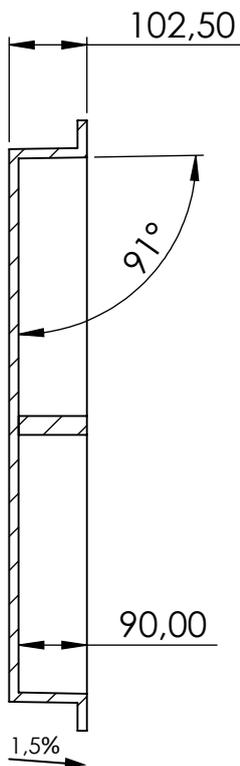
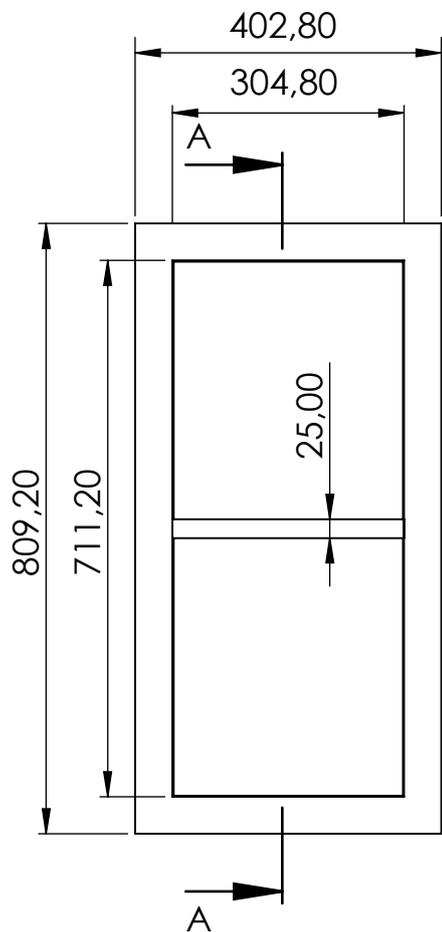
W-S NICHE is watertight, but for a watertight installation, all joints of the outer frame of W-S NICHE with the rest of W-S BOARD must be sealed by applying W-S BAND.

Use a cement adhesive of class C2 according to EN 12004 or ISO 13007-1 applied with a 3 x 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 spatula or similar and removing and smoothing excess material.

The tiles can be installed immediately using cement adhesive class C2 according to EN 12004 or ISO 13007-1. Choose a notched trowel suitable for the tile format.

TECHNICAL DRAWINGS:



SECTION A-A

Dimensions in mm