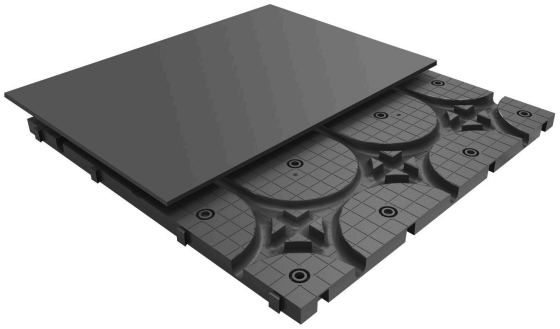
HOYA Ondol B-Panel

Dry hydronic floor heating panel. Straight and curved channels for turns, sides and corners. All three HOYA Ondol panels are 500 × 500 mm and finish at 26 mm, so A, B and C panels combine across one floor with no change in height.



B-Panel (illustration)

Panel

Four panels make one square metre.

Panel size	500 × 500 mm
Base panel	20 mm
Cover	Flat cover panel, 6 mm
Finished height	26 mm
Weight	16.68 kg/m²
Box	6 panels, 1.5 m², 25.02 kg

Build-up

Reflective foil	1.7 mm, under every panel
Heating layer	27.7 mm (foil and panel)
With 14.2 mm floating timber	41.9 mm, plus any underlay
Tiles	On a 6 mm tile board
Floor flatness	Within 3 mm over 1 m

Pipe and layout

Pipe	16 mm PE-RT, 2.0 mm wall
Oxygen barrier	Yes, to DIN 4726
Pipe spacing	169 mm centres
Longest circuit	90–95 m
Joints under the floor	None
Manifold	2 to 12 circuits

Material and maker

All three HOYA Ondol panels are made from the same material: a mix of graphite, volcanic rock and other natural materials. They are made by Hoya Hometech Co., Ltd at its factories in Gunsan, South Korea, and delivered Australia-wide from our Carrum Downs warehouse in Victoria. Every floor gets its own panel and pipe layout, designed by HOYA Ondol from your plans.

Installation and warranty. The panels can be laid by a builder, carpenter or flooring installer, following HOYA Ondol's installation instructions and the panel and pipe layout designed for your floor, working with your hydronic installer. Manifold, heat pump or boiler connections must be made by a licensed plumber, and electrical work by a licensed electrician. In some states, laying the heating pipe itself is also licensed plumbing work, so check with your installer. Warranty requires licensed connections, and its length is set out on your quote. This does not limit your rights under the Australian Consumer Law.