

Technical data sheet

wedi Sanwell® wall element

- Perfect for use as a shower partition wall
- With integrated niche



General product description

The wedi Sanwell wall elements are pre-fabricated products perfect for use as a shower partition wall with integrated niche. They are made from blue extruded polystyrene hard foam that is reinforced with alkali-resistant fibre-glass mesh and coated with polymer-modified mortar on both sides. In order to avoid time-consuming construction and sealing steps, the wall element is furnished in the factory with a niche for the storage of shower articles or decorations.

Applications

Thanks to this special properties, the stable wall elements with integrated niche are very versatile:

- Shower partition wall
- Design element in the bathroom
- Construction tool in the SPA and wellness area
- Individual partition walls for shower cubicles

The wedi Sanwell wall elements are approved for private and commercial use in indoor applications. Waterproof reinforcement plates can be incorporated into the element for fixing of shower heads or mixer taps. Please contact wedi's technical team for application advice.

Product properties


The wedi Sanwell wall elements are waterproof, thermally insulating, versatile and stable as well as light and easy to handle. The wall elements can be cut to the desired size on site. The size of the niche can be individually customised using the accessories supplied within the packaging. The wedi Sanwell wall elements are part of the wedi sealing system in accordance with ETA-13/0385.

Surface requirements

The substructure must be clean, load-bearing, even, and free from adhesion inhibiting substances.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant A+ (très faibles émissions) à C (fortes émissions).

 0799 (System 2+)
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ETA-13/0385 ETAG 022 Teil 3
<small>Bausatz mit wasserdichten Platten und weiteren Komponenten zur Herstellung einer Abdichtung unter einer Nutschicht für die Verwendung in einem liegenden Nassbereich</small> <small>Klassifizierung des Systems und deklarierte Produkt- und Systemeigenschaften siehe Anhang 1 der ETA-13/0385</small>

Technical properties

Fire behaviour EN 13501	E
Sound insulation value DIN EN ISO 140-3	Rw,P 23 dB
Bending stress in reference to DIN 53293	3900 kPa (average)
Tensile strength	0.28 N/mm ²
Linear coefficient of thermal expansion	0.02 mm/mK
Sanwell XL wall element weight	16 kg
Sanwell XXL wall element weight	24 kg
Long-term compressive strength (50 years) ≤ 2% compression EN 1606	0.08 N/mm ²
Compressive resistance or compressive strength at 10% compression EN 826	0.25 N/mm ²
Associated module of elasticity EN 826	10 – 18 N/mm ²
Thermal conductivity EN 13164	0.036 W/mK
Tensile strength EN 1607	0.45 N/mm ²
Shearing resistance EN 12090	0.2 N/mm ²
Shear modulus EN 12090	7 N/mm ²
Bulk density EN 1602	32 kg/m ³
Resistance to water vapour diffusion (μ) EN 12086	100
Water absorption under long-term immersion EN 12087	≤ 1.5 % by vol.
Capillary action	0
Linear coefficient of thermal expansion	0.07 mm/mK
Temperature limits	-50°C / +75°C
Fire behaviour EN 13501	E
Carbon dioxide propellant GWP value	1

wedi Sanwell® wall element dimensions

Sanwell wall element XL	
Wall element dimensions	2500 × 900 × 100 mm
Niche dimensions	334 × 634 × 90 mm
Sanwell wall element XXL	
Wall element dimensions	2500 × 1200 × 100 mm
Niche dimensions	334 × 634 × 90 mm

Packing

10 units per pallet

Storage

The wedi Sanwell wall elements should always be stored flat. They must be protected against direct sunlight and moisture.

Information about finishing and application options for wedi products, technical recommendations or advice and other information provided by our employees (technical usage advice) is accurate to the best of our knowledge, but is non-binding and is given with the exclusion of any liability. It does not exempt our customers and their buyers from carrying out their own checks and trials on the suitability of the products for the intended processes and purposes.