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Vitaseal is manufactured by Vita Cellular Foams, and is a unique combination of resilient foam and a water resisting binder. The combination produces a "dry" pre-formed strip seal used to resist weather ingress in fenestration, roofing and construction applications. The viscoelastic properties also offer noise and vibration damping.

Vitaseal is manufactured using open cell polyurethane foam heavily impregnated with acrylics creating flame retardant properties. Under high compression the product will create a weather-proof seal, under low compression the product is suitable for draught sealing. Vitaseal 600 is recommended for use in more extreme weather applications (tested to DIN 52453 Watertight Against Driving Rain) and is fully resistant to UV. The product is supplied in rolls, pre-compressed to approximately 85%.

Technical Specification

Material	Polyurethane cellular foam, impregnated with a flame retardant acrylic resin.
Building Classification	Class 1 according to NF P85-570, BG1 according to DIN 18 542 (P-NDS04-479).
Fire Resistance	B1, self-extinguishing.
Watertight Against Driving Rain DIN 52453	600 pa minimum, according to the range of use of Vitaseal 600 as described below. Independently tested by AMPA Hanover.
Vapour Resistivity DIN 18542	$\mu < 10$
Tensile Strength ISO 1798	>170 kPa
Elongation at breaking ISO 1798	>250%
Compatibility	Will cause no corrosion with iron, steel, zinc coated sheet, aluminium or copper. Will not corrode PVC, glazing, wood, concrete or tiles.

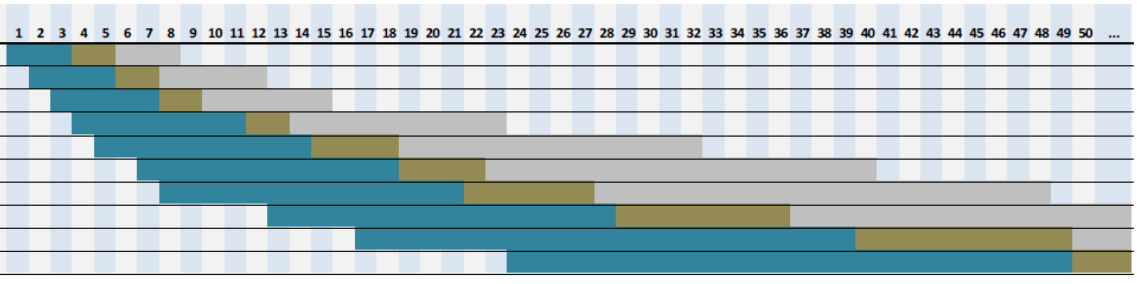
At 10% compression -
Soundproofing and anti-vibration

At a minimum of 50% compression -
Thermal insulation and dust particle insulation.

At 75% compression - Water resistance
(after 75% compression the performance of the joint improves)

Vitaseal 600 water tightness performances to driving rain under pressure

Product Reference	Max. expansion	Tested range
Vitaseal 600 1-3	9mm	1-3 mm
Vitaseal 600 2-4	13mm	2-5 mm
Vitaseal 600 3-7	17 mm	3-7 mm
Vitaseal 600 5-10	26 mm	4-11 mm
Vitaseal 600 7-12	35 mm	5-14 mm
Vitaseal 600 8-15	44 mm	7-18 mm
Vitaseal 600 10-18	53 mm	8-21 mm
Vitaseal 600 13-24	72 mm	13-28 mm
Vitaseal 600 17-32	98 mm	17-39 mm
Vitaseal 600 24-40	123 mm	24-49 mm



Water tightness range to driving rain under pressure of 600 Pa minimum.
Thermal insulation, noise control or seal against draught and dust
Performs as a gap filler only

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