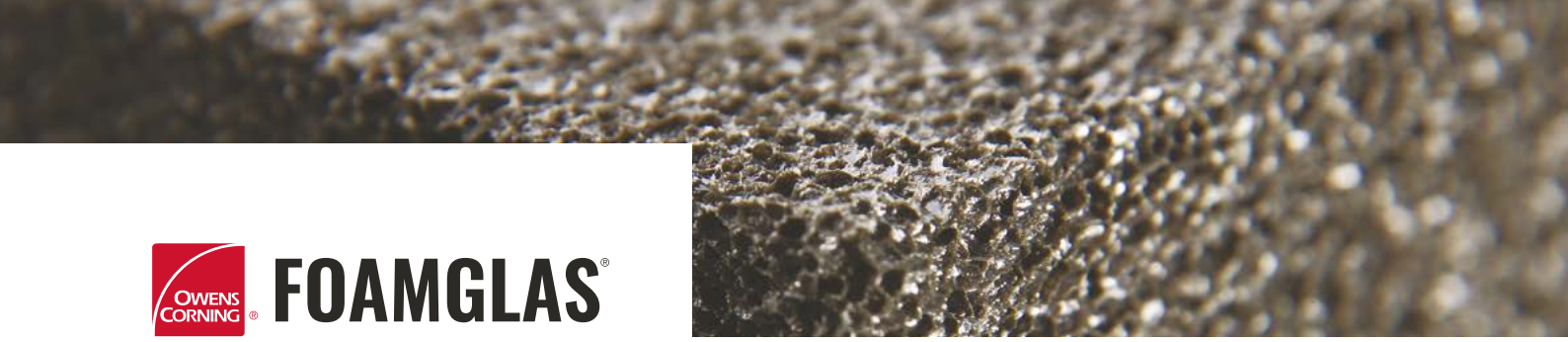


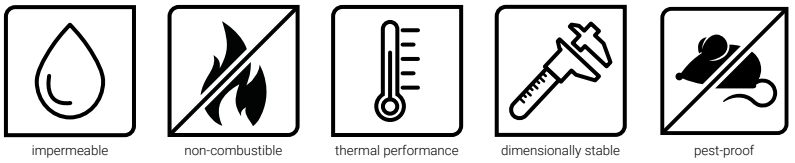
FOAMGLAS®

PRODUCT DATA SHEET

FOAMGLAS® TAPERED S3

FOAMGLAS® TAPERED S3 consists of FOAMGLAS® S3 slabs which are tapered/cut to falls during manufacturing. A central arrow stamped on the upper surface indicates the direction of fall.

Product features



Applications

Tapered/cut to falls insulation for for high compressive strength requirements:

- warm roofing systems including concrete, timber and metal substrates
- heavy load roofs including vehicle access and equipment plant
- podium insulation

Dimensions

Length x width (mm)	600 x 450								
Average thickness (mm)	40	50	60	70	80	90	100	110	120
	130	140	150	160	170	180	190	200	

Standard angles of inclination: 1.1%, 1.3%, 1.7%, 2.0%, 2.8%, 3.0%, 3.3%, 4.0%, 4.4%, 5.0%, 5.6%, 6.7%.

Product characteristics conforming to EN 13167

Density (EN 1602) ± 10%	123 kg/m^3
Thickness (EN 823) ± 2 mm	40 - 200 mm
Length (EN 822) ± 2 mm	600 mm
Width (EN 822) ± 2 mm	450 mm
Thermal conductivity (EN ISO 10456)	$\lambda_D \leq 0.045$ W/(m·K)
Reaction to fire (EN 13501-1)	Euroclass A1
Point load (EN 12430)	≤ 1.0 mm
Compressive strength (EN 826 annexe A)	≥ 900 kPa
Compressive creep (EN 1606)	(1.5/1/50) 350
Bending strength (EN 12089)	≥ 500 kPa
Tensile strength (EN 1607)	≥ 200 kPa

CE-marking ensures conformity with the mandatory essential requirements of CPR as mentioned in EN 13167; within the Keymark certification all mentioned characteristics are certified by an empowered, notified and accredited 3rd party.

Certificates

Keymark certificate	Environmental Product Declaration
natureplus® certificate	

General FOAMGLAS® characteristics

FOAMGLAS® insulation is made of recycled glass and natural raw materials which are available in abundant supply (sand, dolomite, lime, etc.). The insulation is inorganic, contains no ozone depleting propellants, flame resistant additives, binders, Volatile Organic Compounds (VOC's) or other volatile substances.

Water vapour resistance (EN ISO 10456)	$\mu = \infty$
Hygroscopicity (EN ISO 12571)	zero
Capillarity (EN 1015-18)	zero
Thermal expansion coefficient (EN 13471)	9 x 10^{-6} K^{-1}
Specific heat (EN ISO 10456)	1000 J/(kg·K)