Product Profile

The Thermal Insulation System.

FOAMGLAS®
Building

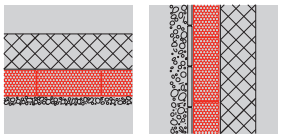





www.foamglas.ae

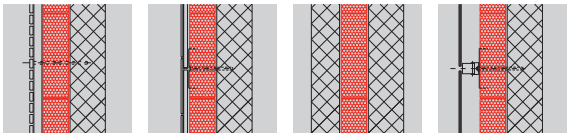
FOAMGLAS®

Ground insulation systems



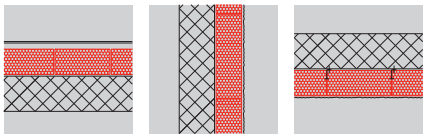
Foundation raft, floor, sub-soil wall

Façade insulation systems

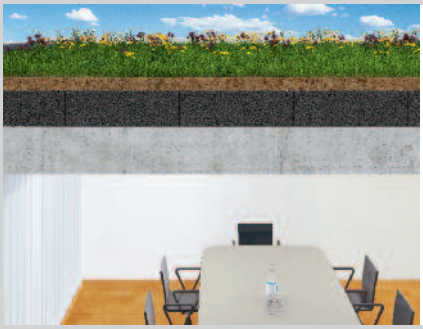


Curtain wall, rendered façade, cavity wall, solar façade

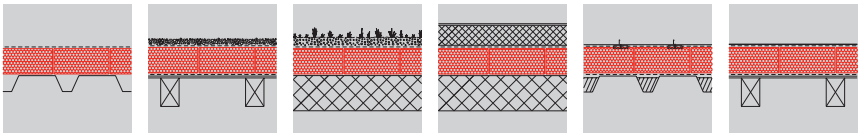
Interior insulation systems



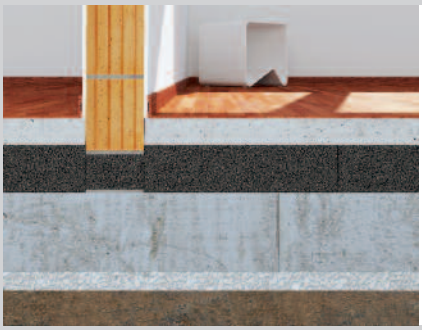
Floor, wall, ceiling / soffit



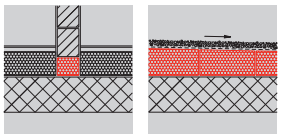
FOAMGLAS® Roof systems



Compact Roof without service or protective layer, Compact Roof with gravel, Green Compact Roof, Compact Roof trafficked / car park decks, Compact Roof with sheet metal covering, Solar Compact Roof, Inverted Roof for hot countries



Special insulation systems



FOAMGLAS® TAPERED ROOF SYSTEM (TRS),
standard falls 1 in 80 (1.1 %),
1 in 60 (1.7 %),
1 in 40 (2.2 %).
Other dimensions, thicknesses and falls are available.

FOAMGLAS® PERINSUL (Cold-bridge insulation block),
FOAMGLAS® TAPERED ROOF SYSTEM (System with cut-to-falls insulation slabs)

Overview of Product Properties

1 Waterproof FOAMGLAS® is waterproof because it consists of closed cell cellular glass. **Advantage:** does not absorb any moisture and does not swell.

2 Pest-proof FOAMGLAS® cannot rot and is pest-proof because it is inorganic. **Advantage:** insulation without risk, especially in the base area and the soil. No basis for nesting, breeding or seed germination.

3 Compression-proof FOAMGLAS® has high compressive strength even with long-term loads due to its cell geometry without deformation. **Advantage:** use as load-bearing thermal insulation without risk.

4 Incombustible FOAMGLAS® is incombustible because it consists of pure glass. Fire behaviour: Classification according to EN 13501: A1. **Advantage:** storage and processing not hazardous. No propagation of flames. In the event of fire, does not develop smoke or toxic gases.

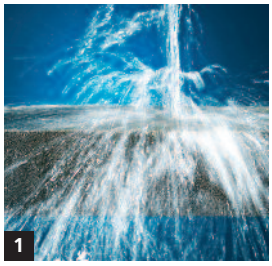
5 Vapour-tight FOAMGLAS® is vapour-tight because it consists of hermetically sealed glass cells. **Advantage:** cannot soak through and already contains the vapour barrier. Constant thermal insulation value over decades. Prevents the penetration of radon.

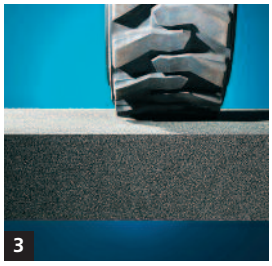
6 Dimensionally stable FOAMGLAS® is dimensionally stable because glass neither shrinks nor swells. **Advantage:** no warping, buckling or creep. Low coefficient of expansion, nearly equal to that of steel and concrete.

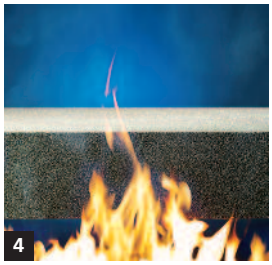
7 Acid-resistant FOAMGLAS® is resistant to organic solvents and acids because it consists of pure glass. **Advantage:** no destruction of the insulation by aggressive mediums and atmospheres.

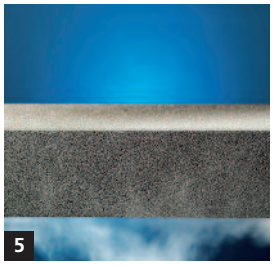
8 Easy to work with FOAMGLAS® is easy to work with because it consists of thin-walled glass cells. **Advantage:** with simple tools like a saw blade or hand saw, FOAMGLAS® can be cut to any desired measurement.

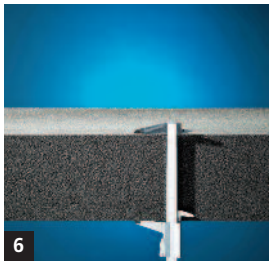
9 Ecological FOAMGLAS® is free of environmentally damaging flame-retardants protection agents, propellants and consists of over 66 % of high value recycling glass. Only regenerative electricity is used in the manufacturing process. **Advantage:** After decades of use as thermal insulation, FOAMGLAS® can be ecologically recycled and be re-used as a granulate.











Additional Characteristics

Composition	Pure glass with a high percentage of recycled glass, inorganic and without binding agent additions
Applicable limit temperatures	From -265 °C to +430 °C
Melting point (cf. DIN 4102-17)	> 1000 °C
Water absorption	0 (aside from the surfaces in the area of the attached cells)
Biological influences	Resistant against microbes as well as against rodent and piercing animals, insects/vermin
Water vapour diffusion resistance figure	$\mu = \infty$
Capillarity and hygroscopicity	None
Fire behaviour (EN 13501-1)	A1
Dimensional stability	Does not swell and shrink, warp or creep
Airborne sound reduction	28 dB at 100 mm thickness (in the mid range frequency area)

FOAMGLAS® Slabs

Product data

EN 13167	FOAMGLAS® W+F	FOAMGLAS® T4+	FOAMGLAS® S3	FOAMGLAS® F
Dimensions in mm* thickness Length 600 mm, Width 450 mm**	40 – 160 ***	30 – 200 ***	40 – 180 ***	40 – 160 ***
Density (± 10%) [kg / m³]	100	115	130	165
Thermal conductivity λ_D [W / (m·K)]	≤ 0.038	≤ 0.041	≤ 0.045	≤ 0.050
Fire behaviour (EN 13501-1)	A1	A1	A1	A1
Melting point (cf. DIN 4102-17)	> 1000 °C	> 1000 °C	> 1000 °C	> 1000 °C
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]	≥ 400	≥ 600	≥ 900	≥ 1600
Bending strength BS (EN 12089) [kPa]	–	≥ 450	≥ 500	≥ 550
Tensile strength TR (EN 1607) [kPa]	≥ 100	≥ 100	≥ 100	≥ 150
Thermal expansion coefficient [K⁻¹]	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$
Specific heat [kJ / (kg·K)]	1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m² / s)	$4.4 \cdot 10^{-7}$	$4.2 \cdot 10^{-7}$	$4.1 \cdot 10^{-7}$	$3.5 \cdot 10^{-7}$
Water vapour resistance (EN ISO 10456)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)
Specific national product data				
Flexural modulus of elasticity E [MN / m²]	–	700	1200	1500
BRE Green Guide Rating	A+	A	A	B
Green Rating by thefuturebuild.com, by Masdar	A	A	A	A
Application area	– Walls – Façades	– Roofs, green roofs – Floors, foundation rafts – Façades	– Green roofs – Parking roofs, decks – Floors, foundation rafts	– Floors – Foundation rafts – Multipurpose roofs

a) **FOAMGLAS® TAPERED ROOF SYSTEM** (TRS), standard falls 1 in 80 (1.1 %), 1 in 60 (1.7 %), 1 in 40 (2.2 %). Other dimensions, thicknesses and falls are available on request. FOAMGLAS® Tapered Roof Design, comprising estimation, calculation, installation plans and building site logistics is a service by Pittsburgh Corning CAD-department to best assist architects and engineers. For more information, see page 11.

* Other dimensions and thicknesses are available on request.

** Tolerances according to EN 13167.

*** For insulation thicknesses > 140 mm, it is recommended to, apply 2 layers on the flat roof.

FOAMGLAS® Boards

Product data

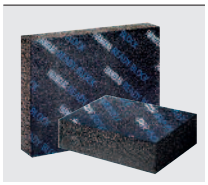



EN 13167	FOAMGLAS® WALL BOARD W+F	FOAMGLAS® FLOOR BOARD T4+	FOAMGLAS® FLOOR BOARD S3	FOAMGLAS® FLOOR BOARD F
Dimensions in mm* **thickness** Length 1200 mm, Width 600 mm**	40 – 160	40 – 180	40 – 180	40 – 160
Density (± 10%) [kg / m³]	100	115	130	165
Thermal conductivity λ_D [W / (m·K)]	≤0.038	≤ 0.041	≤ 0.045	≤ 0.050
Fire behaviour (DIN 4102-1) Core material Euro-standard A1	E	E	E	E
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]	≥ 400	≥ 600	≥ 900	≥ 1600
Bending strength BS (EN 12089) [kPa]	–	≥ 450	≥ 500	≥ 550
Tensile strength TR (EN 1607) [kPa]	≥ 100	≥ 100	≥ 100	≥ 150
Thermal expansion coefficient [K^{-1}]	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$
Specific heat [kJ / (kg·K)]	1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m^2 / s)	$4.4 \cdot 10^{-7}$	$4.4 \cdot 10^{-7}$	$4.4 \cdot 10^{-7}$	$4.4 \cdot 10^{-7}$
Water vapour resistance (EN ISO 10456)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)
Specific national product data				
Flexural modulus of elasticity E [MN / m^2]	–	700	1200	1500
BRE Green Guide Rating	A+	A+	A	B
Green Rating by thefuturebuild.com, by Masdar	A	A	A	A
Application area	– Exterior walls – Façades	– Floors – Foundation rafts	– Floors – Foundation rafts	– Floors – Foundation rafts – Multipurpose roofs

* Other dimensions and thicknesses are available on request.
** Tolerances according to EN 13167.
*** For insulation thicknesses > 140 mm, it is recommended to, apply 2 layers on the flat roof.

FOAMGLAS® Boards and Blocks, Special Products

Product data



EN 13167		FOAMGLAS® READY BOARD T4+	FOAMGLAS® READY BLOCK T4+ | TAPERED	FOAMGLAS® ROOF BOARD G2 T4+	FOAMGLAS® BLOCK G1 T4+
Dimensions in mm* Length 1200 mm, Width 600 mm**	**thickness**	40 – 180	–	40 – 180	–
Dimensions in mm* Length 600 mm, Width 450 mm**	**thickness**	–	40 – 200	–	40 – 200
Density (± 10%) [kg / m³]		115	115	115	115
Thermal conductivity λ_D [W / (m·K)]		≤ 0.041	≤ 0.041	≤ 0.041	≤ 0.041
Fire behaviour (DIN 4102-1), core material Euro-standard A1		E	E	E	E
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]		≥ 600	≥ 600	≥ 600	≥ 600
Bending strength BS (EN 12089) [kPa]		≥ 450	≥ 450	≥ 450	≥ 450
Tensile strength TR (EN 1607) [kPa]		≥ 100	≥ 100	≥ 150	≥ 100
Thermal expansion coefficient [K^{-1}]		$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$
Specific heat [kJ / (kg·K)]		1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m^2 / s)		4.2×10^{-7}	4.2×10^{-7}	4.2×10^{-7}	4.2×10^{-7}
Water vapour resistance (EN ISO 10456)		μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)
Specific national product data					
Flexural modulus of elasticity E [MN / m^2]		700	700	700	700
BRE Green Guide Rating		A	A	A	A
Green Rating by thefuturebuild.com, by Masdar		A	A	A	A
Application area		– Roofs, concrete – Metall decks – Base of the building (perimeter walls)	– Roofs – Terraces, loggias – Base of the building (perimeter walls)	– Roofs – Terraces, loggias – Metall decks – Inverted roofs for hot countries	– Roofs – Terraces, loggias – Metall decks

* Other dimensions and thicknesses are available on request.
** Tolerances according to EN 13167.

FOAMGLAS® Special Products

Product data

EN 13167		FOAMGLAS® PC® PERISAVE Marginal Stop	FOAMGLAS® PERINSUL S	FOAMGLAS® PERINSUL HL	FOAMGLAS® Angle fillet
Dimensions in mm* Length 1200 mm, Width 600 mm**	**thickness**	40 – 180	–	–	–
Dimensions in mm* Length 600 mm, Width 450 mm**	**thickness**	–	40 – 180	50, 115	50 x 50, 60 x 60, 80 x 80, 100 x 100, 130 x 130,
Dimensions in mm* Length 450 mm**	**width**	–	–	115, 175, 240	150 x 150, 250 x 250
Density (± 10%) [kg / m³]		115	115	165	100
Thermal conductivity λ_D [W / (m·K)]		≤ 0.041	≤ 0.041	≤ 0.050 W / mK	≤ 0.041 W / mK
Fire behaviour (DIN 4102-1), core material Euro-standard A1		F	F	F	A1
Compressive strength CS external surveillance, (EN 826, Annex A) [kPa]		≥ 600	≥ 600	≥ 1600	≥ 600
Bending strength BS (EN 12089) [kPa]		≥ 450	≥ 450	≥ 550	≥ 450
Tensile strength TR (EN 1607) [kPa]		≥ 100	≥ 100	≥ 150	≥ 100
Thermal expansion coefficient [K^{-1}]		$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$	$9 \cdot 10^{-6}$
Specific heat [kJ / (kg·K)]		1.0	1.0	1.0	1.0
Thermal diffusivity at 0 °C (m^2 / s)		4.2×10^{-7}	4.2×10^{-7}	3.5×10^{-7}	4.2×10^{-7}
Water vapour resistance (EN ISO 10456)		μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)	μ = ∞ (impervious to water vapour)
Specific national product data					
Flexural modulus of elasticity E [MN / m^2]		700	700	–	–
BRE Green Guide Rating		A	A	C	A
Green Rating by thefuturebuild.com, by Masdar		A	A	A	A
Application area		– Roofs, concrete – Metall decks – Base of the building (perimeter walls)	– Roofs – Terraces, loggias – Base of the building (perimeter walls)	– Cold-bridge insulation block – Moisture barrier – Cold-bridge insulation block under parapet wall	– Surpasses the 90° angle for waterproofing membranes)

* Other dimensions and thicknesses are available on request.
** Tolerances according to EN 13167.

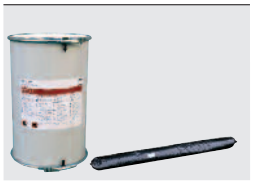
Adhesives and Coatings

Product data

		 NEW		
	PC® 56	**PC® 600 Green**	**PC® 500**	**PC® 58**
Type	Two-component adhesive, hydraulic binding	Single-component thixotropic polymer glue and sealant	Single-component adhesive	Two-component adhesive, hydraulic binding
Basis	– Component A: bitumen emulsion – Component B: calcium silicates, calcium aluminate, calcium aluminate ferrite	– Natural oils and other mineral substances but without fibres	– Bitumen with a high percentage of fibres and other minerals	– Component A: bitumen emulsion – Component B: calcium silicates, calcium aluminate, calcium aluminate ferrite
Consistency	pasty	pasty	pasty	pasty
Applicable temperature	-15 °C to +45 °C on a non-frozen surface	-40 °C to +90 °C on a non-frozen surface	-30 °C to +80 °C	-15 °C bis +45 °C on a non-frozen surface
Processing temperatures (air + surface)	+5 °C to +35 °C	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C bis +35 °C
Processing time	at 20 °C: app. 90 minutes	at 20 °C: several days	at 20 °C: several days	at 20 °C: app. 90 minutes
Drying time	app. 3 hours	several hours	several hours	app. 3 hours
Dehydration time	several days	several days	several months	1 to 3 days
Density	app. 1.20 kg / dm³	app. 1.63 kg / dm³	app. 1.50 kg / dm³	app. 1.20 kg / dm³
Colour	black-brown	green	black-brown	black-brown
Water vapour diffusion resistance figure	μ = app. 40 000	μ = app. 2 000	μ = app. 20 000	μ = app. 25 000
Water solubility	mixable	insoluble after complete drying	insoluble	mixable
Solvents	none	none	few	none
Storage	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Keep awy from open flames and sparks.	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Keep away from open flames and sparks.	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.
Storage time	See the label for expiration date	See the label for expiration date	See the label for expiration date	See the label for expiration date
Area of application	– Bonded with FOAMGLAS® Slabs / Boards to absorbent and non-absorbent surfaces. – Reciprocal attachment of FOAMGLAS® Boards. – Surfacer.	– Bonded with FOAMGLAS® Slabs / Blocks to absorbent and non-absorbent surfaces and sealing of joints.	– Bonded with FOAMGLAS® Slabs / Boards to absorbent and non-absorbent surfaces.	– Bonded with FOAMGLAS® Slabs / Boards to absorbent and non-absorbent surfaces. – Surfacer.
Form of delivery	Container with 28 kg (21 kg black component + 7 kg powder component)	Container with 28 kg	Container with 25 kg	Container with 32 kg (24 kg black component + 8 kg powder component)
Consumption	– Full, complete bonding with filled joints: app. 3.5 to 4.5 kg / m² – Spot bonding: app. 2.5 kg / m² – Surfacer: app. 1.5 kg / m²	– Full, complete bonding with filled joints: app. 4.0 to 6.0 kg / m²	– Full, completely bonded with filled joints: app. 5.0 to 7.0 kg / m² – Bonding of waterproofing membrane: app. 2.0 kg / m² – Top coating: app. 2.0 kg / m²	– Full, completely bonded with filled joints: app. 5.0 to 7.0 kg / m² – Surfacer: app. 2.0 kg / m²

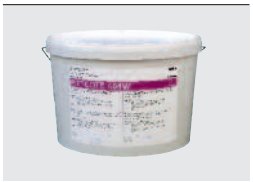
Adhesives and Coatings, Primer and Sealing Compound

Product data

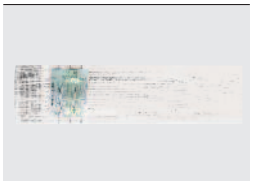
				
	PC® 11	**PC® 88**	**PC® EM**	**PC® PITTSEAL 444**
Type	Single-component adhesive	Two-component adhesive latex coating	Thick liquid, solvent-free bitumen emulsion	Single-component sealing compound for sealing of joints, penetrations and connections; plastic and permanently elastic levelling compound; adheres to steel, concrete, wood, etc.
Basis	Bitumen solvent mixture with extenders	Component A: bitumen and polyalcohols Component B: isocyanate	Bitumen emulsion	Butyl connection, Naphtha
Consistency	pasty	pasty	liquid	pasty
Applicable temperature	-5 °C to +40 °C	-40 °C to +80 °C (Edelstahl, Alu) -55 °C to +80 °C (Stahl, Beton)	-15 °C to +40 °C	-50 °C to +80 °C
Processing temperatures (air + surface)	+5 °C to +40 °C	+5 °C to + 35 °C	+5 °C	+10 °C to +25 °C
Processing time	–	2 to 2½ hours at 25 °C	–	–
Drying time	app. 5 to 30 minutes	app. 8 hours	App. 3 to 12 hours depending on temperature and humidity	Skin formation in 1 to 3 hours
Dehydration time	several days	Several days	–	No drying
Density	1.15 kg / dm³	app. 1.05 kg / dm³	app. 1.04 kg / dm³	app. 1.50 kg / dm³
Colour	black	black	black	gray
Water vapour diffusion resistance figure	μ = app. 50 000	μ = 23,000	–	μ = app. 23 000
Water solubility	insoluble	insoluble	mixable	insoluble
Dry substance at 105 °C	–	–	app. 59 weight %	–
Solvents	few	little	–	few
Resistant against - Alkali	–	–	good	–
- Oil, fats, solvants			poor	
- Weak acids			good	
Storage	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Keep away from flames, sparks.	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Keep away from flames, sparks.	Store dry, frost-free, and protected from sun and heat.	– Store dry, frost-free, and protected from sun and heat. – Keep away from open flames and sparks.
Storage time	See the label for expiration date	See the label for expiration date	Maximum 1 year	Maximum 2 years
Area of application	– Bonded with FOAMGLAS® Slabs/Boards on profiled metal sheets via a special device.	– Bonded with FOAMGLAS® Slabs/Boards on concrete, steel and aluminium surfaces. Adhesive remains flexible and can absorb mechanical and thermal movement. – Surface coating	– Primer coat based on bitumen-emulsion adhesives on absorbent subsurfaces such as concrete, masonry and plaster. Dilute the material 1:3 (partition) with water.	– for sealing of joints, penetrations and connections; plastic and permanently elastic levelling compound; adheres to steel, concrete, wood, etc.
Form of delivery	Container with 28 kg	Component A 7.7 kg or 15.4 kg Component B 0.185 kg or 0.37 kg	Container with 5 kg	– Cartridges with 0.31 kg – Container with 28 kg
Consumption	– For 8 adhesive strips per meter: app. 1.0 kg / m² – 700 g / m² surface, 300 g / m² butt joint	Full surface, full joint adhesive: app. 3.5 to 4.5 kg / m²	app. 300g / m² finished mixture	– For a final layer density of 3 mm: app. 5.2 kg / m² – Joint width = 3 mm / Joint depth = 50 mm: app. 0.25 kg / m

Rendering and Coatings

Product data

				
	PC® 164	**PC® 74 A2**	**PC® PITTCOTE 404 W**	**PC® 78**
Type	Thin-bed coating	Mineral coating composition	Highly elastic acrylic latex coating	Final rendering
Basis	Dispersion adhesive on a liquid polymer dispersion base as well as mineral extenders, sands and additives	Dry material made of a mixture of special sands, cement and lime hydrate	Liquid mixture of acrylic resin and extenders	Copolymer made of vinyl acetate, vinyl chloride and ethyl, as well as calcite sands and other auxiliary materials
Consistency	pasty	powdery	pasty	pasty
Applicable temperature	-20 °C to +35 °C	-30 °C to +80 °C	-35 °C to +80 °C	-10 °C to +50 °C
Processing temperatures (air + surface)	+5 °C to +25 °C	+5 °C to +35 °C	at least +5 °C	+5 °C to +25 °C
Processing time	15 – 20 minutes (surface)	app. 3 to 4 hours	app. 3 to 4 hours	15 – 20 minutes (surface)
Drying time	Between 20 minutes and several hours (depending on surrounding moisture)	Between 20 minutes and several hours (depending on surrounding moisture)	app. 3 hours	Between 20 minutes and several hours (depending on surrounding moisture)
Dehydration time	app. 3 to 5 days depending on building moisture	app. 24 – 72 hours depending on building moisture	app. 48 hours	app. 24 – 72 hours depending on building moisture
Density	app. 1.70 kg / dm³	app. 1.38 kg / dm³	app. 1.30 kg / dm³	app. 1.70 kg / dm³
Colour	white	light gray	off-white	natural white
Water vapour diffusion resistance figure	μ = 3000	μ = 15	μ = 2500	μ = 150
Water solubility	insoluble	partially	partially	insoluble
Solvents	none	none	none	none
Storage	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.	– Store dry in well-closed sacks.	– Store frost-free and away from sunray exposure. – Storage temperature of +5 °C to +45 °C.	– Store cool and dry in well-closed containers. – Protect against heat and direct exposure to sunrays. – Protect against frost.
Storage time	Maximum 1 year	Maximum 3 (2) years better only 1 year	Maximum 1 1 / 2 years	Maximum 6 months / 1 year
Area of application	– Basic coating with fabric lining PC® 150 on FOAMGLAS® Slabs for ceilings and walls.	– Non-combustible coating with fabric lining PC® 150 on FOAMGLAS® Boards for fresh air suction tubes, air channels and raised access floors.	– Weather-resistant surface layer with fabric lining PC® FABRIC 79P on FOAMGLAS® slabs.	– Final rendering (abrasion)
Form of delivery	Container with 25 kg	Sacks with 25 kg	Container with 21.5 kg	Container with 25 kg
Consumption	– As a primer layer: app. 3.5 kg / m²	app. 3.5 kg / m²	app. 2.5 to 3.5 kg / m²	– Grading: 1.0 mm: app. 1.0 to 1.5 kg / m², 1.5 mm: app. 1.7 to 2.2 kg / m², 2.0 mm: app. 2.5 to 3.2 kg / m², 3.0 mm: app. 3.7 to 4.5 kg / m²

Accessories



PC® 150

Types / Description:
Coarse-meshed glass fabric with styrene acrylic

Surface (m^2 per roll): 50 m^2

Operating temperature:
from -35 °C to +80 °C

Processing temperatures:
at least 0 °C

Weight: 165 g / m^2

Meshes / dm^2: 500

Mesh width: 3.6 x 3.4 mm

Mesh density: 0.40 mm

Tensile strength: longitudinal (warp): 42 N / mm

Longitudinal strength: transverse (weft): 38 N / mm

PC® anchor F

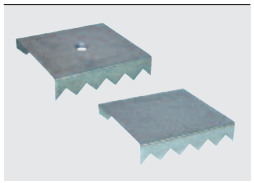
Mechanical anchor made of stainless steel and used to mechanically ensure covered bonded FOAMGLAS® to ceilings and walls (ceiling height over 2.50 meters and for ceramic boards).

Base height:
20 mm / 30 mm / 60 mm

Consumption on walls:
2 Parts / m^2
Consumption on ceilings:
4 Parts / m^2

Packaging unit:
Cartons with 100 pieces

Storage: Store dry and protected from moisture.



PC® SP 150 / 150 Serrated Plates, galvanized

Used to attach:
– Metal roof covering (without holes)
– Facades subconstructions (with punched holes, ø 10.2 mm)

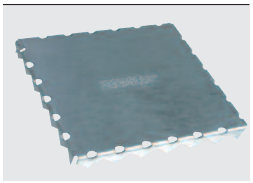
Size:
150 x 150 mm

Sheet density:
1.5 mm

Consumption: Depending on type of application

Packaging unit:
Cartons with 50 pieces

Storage: Store dry and free of moisture.



PC® SP 200 / 200 Serrated Plates, galvanized

Used to attach metal roof covering

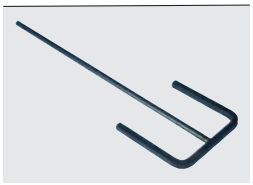
Size:
200 x 200 mm

Sheet density:
1.5 mm

Consumption: Depending on type of application

Packaging unit:
Cartons with 25 pieces

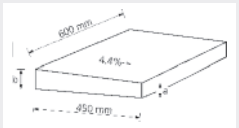
Storage: Store dry and free of moisture.

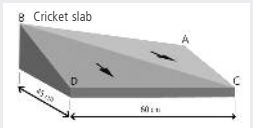


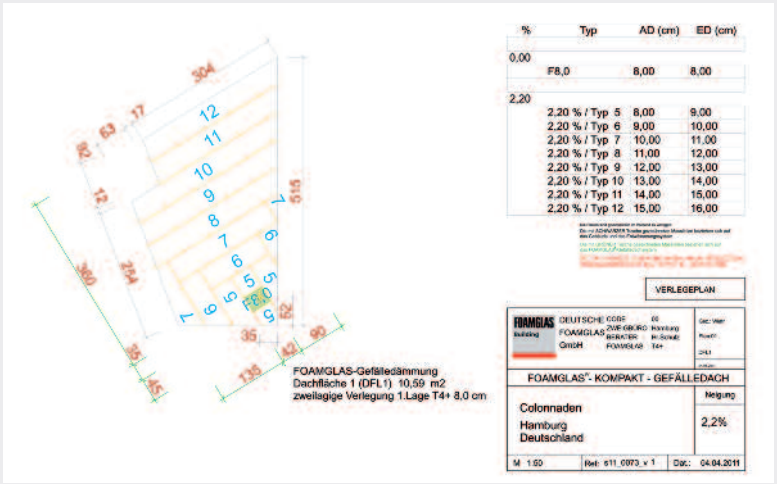
Mixing bar

Area of application:
Insert into an electric drilling machine (at least 800 r.p.m.) for mixing of single or two-component products.

FOAMGLAS® Tapered Roof Service







Pittsburgh Corning FOAMGLAS® Tapered Roof Design

FOAMGLAS® Tapered Roof is a made to measure insulation system with cut-to-falls slabs which allows for efficient rainwater drainage. It saves weight on the roof, because there is no need for a concrete screed-to-falls.

Standard falls are 1 in 80 (1.1%), 1 in 60 (1.7%), 1 in 40 (2.2%). Other dimensions, thicknesses and falls are available on request, as for instance the so-called 'cricket' slabs with a bi-directional fall.

Pittsburgh Corning assists architects and engineers by her own CAD-Department and provides Tapered Roof Design, based on the architect's site measurements.
The service comprises estimation, calculation, installation plans, building site logistics and site assistance.

www.foamglas.com

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