

greenteQ Climate Conformal 2.0 Profile BS down and ZM

greenteQ Climate Conformal 2.0 Profile BS down and ZM for the greenteQ Climate Conformal Concealed Subframe System.

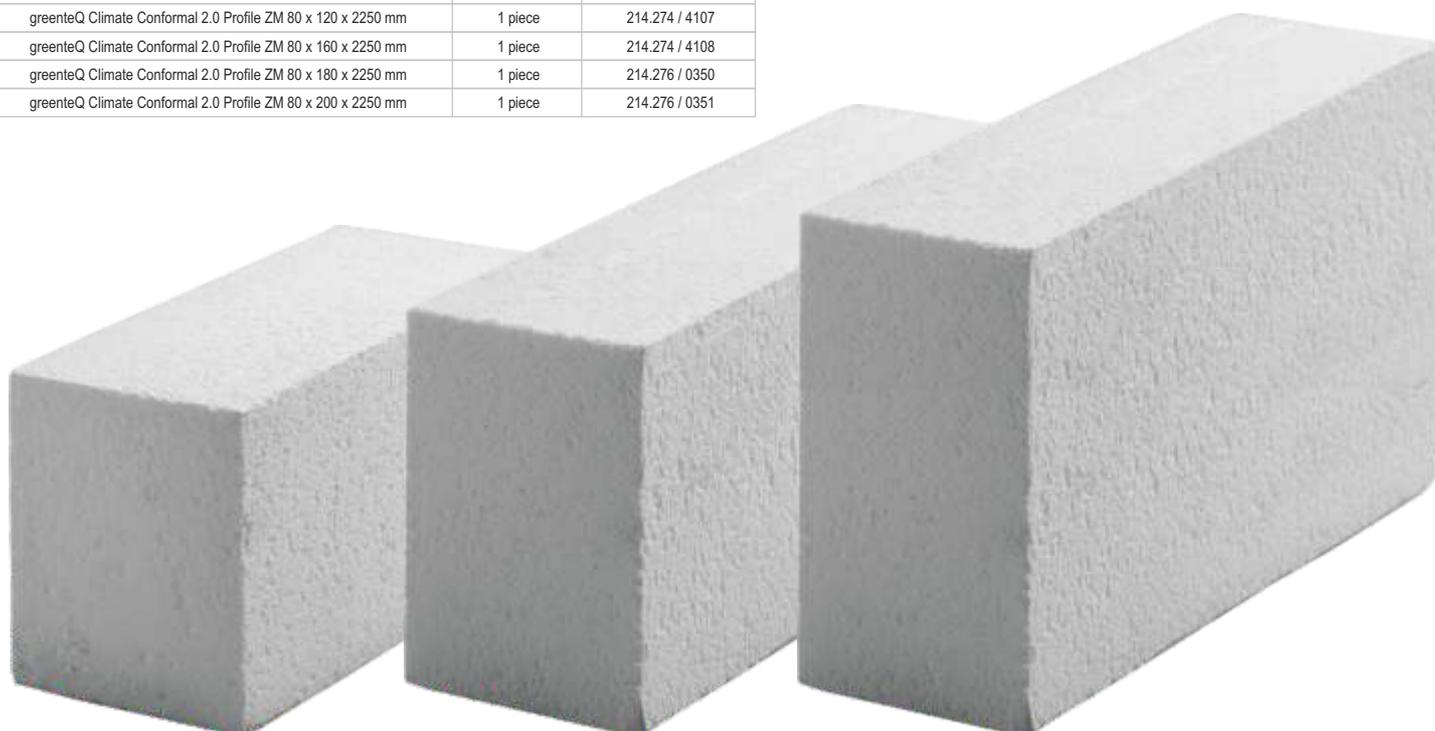
Properties:

The greenteQ Climate Conformal 2.0 Profile BS down and ZM are a new type of insulating construction material that combines the highest degree of rigidity with the best thermal insulating characteristics. Outstanding design properties – such as high rigidity (only 2% compression under working load), long-term stability and screw mounting capability with standard window/particle board screws without the need for pre-drilling – open up fields of application in the areas where cold thermal bridges often had to be accepted in the past. Easy and reliable application is also achieved through the high ductility. In spite of the high rigidity, the elongation at break is more than 10%. That means that the unevenness of the foundation is compensated without incurring damage; protruding areas such as small stones press into the material without causing

the component to break. The thermal insulation characteristics present in the greenteQ Climate Conformal Profile, even with low insulation thicknesses, improve the overall performance of the window systems significantly. The permeable characteristics assure the reliable, long-term use in sensitive contact areas with other materials and permit the quick extraction of incidental moisture. The dimensional stability under changing environmental conditions, the resistance to freezing and thawing cycles and the isotropic behaviour guarantee many years of service without surprises. The greenteQ Climate Conformal 2.0 Profile BS Down and ZM can be sawed, milled and planed with ordinary woodcutting equipment.

Product picture and technical drawing:

Name	Packaging unit	VBH Item Number
greenteQ Climate Conformal 2.0 Profile BS down 80 x 90 x 2250 mm	1 piece	217.274 / 4106
greenteQ Climate Conformal 2.0 Profile ZM 80 x 120 x 2250 mm	1 piece	214.274 / 4107
greenteQ Climate Conformal 2.0 Profile ZM 80 x 160 x 2250 mm	1 piece	214.274 / 4108
greenteQ Climate Conformal 2.0 Profile ZM 80 x 180 x 2250 mm	1 piece	214.276 / 0350
greenteQ Climate Conformal 2.0 Profile ZM 80 x 200 x 2250 mm	1 piece	214.276 / 0351



Technical data:

	STANDARD	CLASSIFICATION
Compressive stress at 10.0% deformation f ($\epsilon=10,0$ %)	EN 826	1,65 N/mm ²
Compressive stress at 2.0% deformation f ($\epsilon=2,0$ %)	EN 826	1,1 N/mm ²
Coefficient of elasticity in the linear-elastic range, Young's modulus		55,0 N/mm ²
Recommended permissible tension (under working load) σ perm		0,78 N/mm ²
Nominal value of thermal conductivity λ	EN 12667	0,0405 W/mk
Max. water absorption (28 days) max. H O absorption	EN 12087	5 %
Material characteristics in case of fire	EN 13501-1	E
Water vapour resistance coefficient	EN 12086-1	~ 25 μ

General information:

All previous versions of this data sheet are no longer valid.

PRODUCT DATA SHEET

WINDOW HARDWARE - Climate Conformal 2.0 Profile BS down and ZM

The instructions for use, service and product details as well as other technical information for our greenteQ products are general guidelines. These serve only to describe the properties and performance features of our products and do not constitute a guarantee as per Section 443 of the BGB (German Civil Code). Due to the variety of possible applications, it is incumbent upon the user to test whether or not it is suitable for the desired application. Technical application advice provided by us verbally, in writing or through tests is for your information only and is absolutely non-binding.

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