



for a
natural
specification



“Promoting the idea of realistic and practical sustainable solutions”

Combining sustainable solutions with practicality can be difficult to achieve for modern day urban living, where cost and environmental impact have to be carefully balanced.

SIG Sustainable Products is a division of SIG plc, Europe's largest supplier of insulation, roofing, commercial interiors and specialist construction products.

We offer the architect and specifier impartial expertise on naturally complimentary and tangible sustainable solutions.

A truly sustainable roof

Our solution is simple, a practical roof system comprising of Natural slate, FSC Timber and Insulation from renewable sources. This achieves the fine balance between practical sustainability and financial investment coupled with minimal maintenance.

A good quality slate has the ultimate whole life cost. Slate is naturally fireproof without the need for harsh chemical additives; it is able to weather centuries of extremes requiring little or no maintenance.

SIGA Natural slates are sourced from leading quarries and meet the new European standard

EN12326, offering a low embodied carbon and a cost effective individual finish to any roof.

To achieve a truly integrated environmentally friendly roofing system specification, combining natural slate with natural insulation is an obvious choice. NaturePro Insulation is a range of thermally insulating materials derived from completely natural, sustainable and renewable sources including Sheep's wool, Hemp, wood fibre and Geenloft which is made almost entirely from waste plastic bottles. Our natural insulation products provide:

- Good thermal insulation properties offering a range of u values of between 0.13 to 0.27 depending on thickness and construction type
- Helps to reduce condensation by absorbing and releasing moisture
- Easy and safe to install with no irritating fibres
- Easily recyclable
- Fire ratings – BS5803 (Wool) – EN1305 -1 (Wood fibre and hemp)
- Zero GWP

www.evieve.co.uk

	EN12326	LOMBAO
Water Absorption	A1 <= 0.6% A2 <= 0.6%	0.17%
Density (g/m3)	Not required	>2.76g/m3
Calcium Carbonate	Graded 7mm-9mm	7mm-9mm
Resistance to Flexion Wet	Not Required	72Mpa
Resistance to Flexion Dry	Not Required	42Mpa
Frost Test Loss of Mass	Not Required	pass 0.03%
Pyrites Leaching	Not Required	None
Pyrites None Leaching	Not Required	None-Ferrous not passing through
Acid Test	S1/S2/S3 (Required)	Pass, no change
West-Dry Test	T1/T2/T3 (Required)	Pass
Grain	Required	Longitudinal
Non-Carbonate Carbon Content	<= 2.0%	1.2%

Criterion

- A1 = Acceptable.
 A2 = Freeze Thaw Resistance test required.
 S1/S2 = Shall show no sign of splitting or cracking of the edges and swelling, softening or surface flaking.
 S3 = If any one or more test piece show signs of splitting or cracking of the edges and swelling, softening or surface flaking.

- T1 = No change in appearance surface oxidation of metallic minerals colour changes that neither affect the structure nor form runs of discolouration.