

ROCKWOOL technical note

Suitability of imported ROCKWOOL insulation products for use in External Thermal Insulation Composite Systems (ETICS)

Background

ROCKWOOL-UK supplies UK providers of External Thermal Insulation Composite Systems (ETICS), with UK-produced and imported, ROCKWOOL dual-density stone wool insulation products as follows:

UK-produced product: ROCKWOOL External Wall DD slab
 EU-produced product: ROCKWOOL Frontrock Super

This technical note applies only to these dual-density products sourced directly from ROCKWOOL-UK.

Product performance

1. Essential product characteristics

ROCKWOOL Frontrock Super and ROCKWOOL External Wall DD slab are CE-marked, and the essential characteristics of these products are described by the Declarations of Performance (DoP) available here: <https://www.rockwool.com/uk/resources-and-tools/product-documentation/#dop>.

The essential product characteristics of ROCKWOOL Frontrock Super are equal to or better than those of ROCKWOOL External Wall DD slab, as shown in Table 1, below.

Table 1 - Product comparison		
Essential Characteristics	Declared Values - EN 13162:2012+A1:2015	
	External Wall DD Slab	FRONTROCK SUPER
Thermal resistance	0.036 W/mK	0.036 W/mK
Thickness class	T5	T5
Reaction to fire	A1	A1
Durability characteristics - dimensional stability	DS(70,90)	DS(70,90)
Compressive strength	CS(10)10	CS(10)20
Point load	-	PL(5)250
Tensile strength perpendicular to faces	TR10	TR10
Short term water absorption	-	WS
Long term water absorption	WL (P)	WL (P)
Water vapour transmission	MU1	MU1

2. Suitability of ROCKWOOL Frontrock Super for use in ETICS

The ETICS provider shall undertake all necessary checks to confirm the suitability of the components used in, and any changes made to, its systems.

European Technical Assessment ETA 14/0465 has been issued for ROCKWOOL Frontrock Super, in accordance with Regulation (EU) No.305/2011, based on ETAG 004: External Thermal Insulation Composite Systems (ETICS) with rendering.

ETA 14/0465 confirms the suitability of ROCKWOOL Frontrock Super for use in mechanically fixed ETICS with anchors and supplementary bonding, in combination with the FAST W ETICS render system.

Where use of ROCKWOOL Frontrock Super is proposed, the ETICS provider shall undertake all further tests, assessments and certification needed to evidence that ROCKWOOL Frontrock Super is suitable and approved for use in the intended systems.

ETICS providers are requested to contact ROCKWOOL-UK if in doubt regarding the suitability of ROCKWOOL products or the extent of the certification held by ROCKWOOL-UK.

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