

Certificate of Product Approval

Certificate Number: 022g

Issue: 04

ROCKWOOL LIMITED

Wern Tarw
Percoed
Bridgend
Mid Glamorgan
CF35 6NY
United Kingdom

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

Products

Roofing Systems

Hardrock Dual Density Roofing Board System
Hardrock Dual Density SPA Roofing System
DuoRock Roofing Board System
Hardrock Multi-fix Dual Density Roofing Board System

Standards

LPS 1181 Part 1: Issue 1.2

Series of Fire Growth Tests for LPCB Approval and Listing of Construction Product Systems. Part 1: Requirements and Tests for Built-up Cladding and Sandwich Panel Systems for use as the External Envelope of Buildings.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Damien Ward

Signed for LPCB

Damien Ward

Certification Scheme Manager

13 November 2014

Date of Issue

01 March 2010

Date of First Issue



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Appendix to Certificate No: 022g ROCKWOOL LIMITED

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Product Name	Specification system thickness (mm) (note 1)	Fire resistance (min) Integrity	Fire resistance (min) Insulation	Core Material		LPCB Ref. No.
Hardrock Dual Density Roofing Board System	100 – 135	60	60	EXT-A60	Stone Wool	022g/01
	140 – 205	90	90	EXT-A90	Stone Wool	
	210	120	120	EXT-A120	Stone Wool	
	100 - 210	-	-	EXT-B	Stone Wool	
Hardrock Dual Density SPA Roofing Board System	100 – 135	60	60	EXT-A60	Stone Wool	022g/02
	140 – 205	90	90	EXT-A90	Stone Wool	
	210	120	120	EXT-A120	Stone Wool	
	100 - 210	-	-	EXT-B		
DuoRock Roofing Board System	100 – 210	60	60	EXT-A60	Stone Wool	022g/03
	100 - 200	-	-	EXT-B	Stone Wool	
Hardrock Multi-fix Dual Density Roof Board System	100 – 135	60	60	EXT-A60	Stone Wool	022g/04
	140 – 205	90	90	EXT-A90	Stone Wool	
	210	120	120	EXT-A120	Stone Wool	
	100 - 210	-	-	EXT-B	Stone Wool	
	150	90	90	EXT-A90	Stone Wool	

Notes:

1. Roof board system LPCB Ref No. 022g/01, 022g/03 and 022g/04 : Mechanically fastened Sarnafil single ply type S327 (1.2mm thickness), external weather proof membrane (or alternative membrane less than 3.5kg/m² e.g. PVC, Chlorinated PE, Butyl Rubber with welded seams); Comprising of two layers of Rockwool roofing board with staggered joints (100mm minimum stagger for fire resistance up to 90 minutes and 300mm stagger for 2 hours fire resistance), vapour control layer and 0.7mm thickness 35mm deep profile steel metal deck.

Notes continued overleaf

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Notes continued:

2. Roof board system LPCB Ref No. 022g02; Sarnafil single ply external weather proof membrane type G410 (1.2mm thickness), fully adhered to Hardrock Dual Density SPA Roofing Board System with Sarnafil Adhesive (or Rockwool approved alternative, adhesive/membrane combination, with a membrane material less than 3.5kg/m² e.g. PVC, Chlorinated PE, Butyl Rubber with welded seams); comprising of two layers of Rockwool roofing board with staggered joints (100mm minimum stagger for fire resistance up to 90 minutes and 300mm stagger for 2 hours fire resistance), vapour control layer and 0.7mm thickness 35mm deep profile steel metal deck.
3. Roof Board System LPCB Ref No. 022g/01, 022g/02, 022g/03 & 022g/04 Hardrock Dual Density, Hardrock Dual Density SPA and DuoRock roofing boards are also available and approved in cut-to-fall tapered options, the relevant minimum & maximum system thickness and staggered joints shall apply as detailed above.
4. For EXT-A fire resistance grading, the test construction was tested unloaded. However, deflection of the roof did not exceed the allowable limits set out in BS 476: Part 20: 1987 for loadbearing horizontal elements.
5. Decking side laps were stitched at 450mm centres. The built up roofing system was tested with Eurobond Stone wool core sandwich wall panels.
6. Hardrock Multi-fix Dual Density roof board system 022g/04 at a thickness of 150mm is unfaced and for the purpose of extending the thickness within the Multi-Fix system.

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