



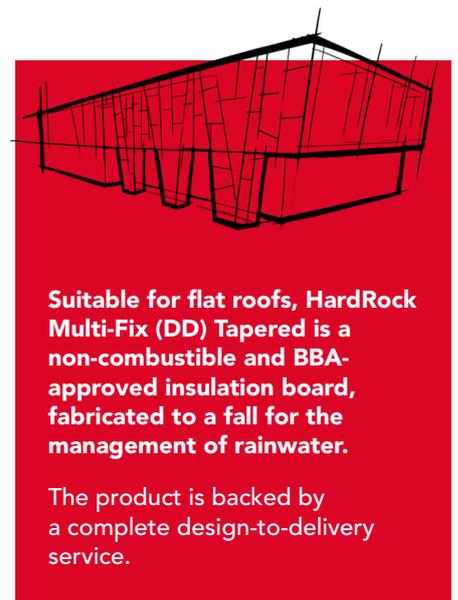
# HardRock® Multi-Fix (DD) Tapered

Non-combustible tapered insulation for flat roofs.

HardRock Multi-Fix (DD) Tapered is a stone wool insulation board faced with a mineral-coated white fleece. The product is engineered to a fall for rainwater management.

HardRock Multi-Fix (DD) is non-combustible, and achieves a Euroclass reaction to fire classification of A2-s1,d0.

- BBA approved – Certificate 21/5878.
- Bespoke design.
- Compatible with most weatherproofing systems.
- Delivers sound reduction and absorption.
- Suitable for new build and refurbishment.



# HardRock Multi-Fix (DD) Tapered



## APPLICATIONS

HardRock Multi-Fix (DD) Tapered can be used with the following roofing systems:\*

- Fully-bonded, partially-bonded, mechanically-fastened single-ply membrane systems, and EPDM membrane systems
- Torch-applied, bitumen-based, and mastic asphalt built-up systems
- Liquid-applied systems

\*BBA approval subject to use with a waterproofing membrane that has a current BBA Agrément Certificate.  
For more information, please see Agrément Certificate 21/5878.

# HardRock Multi-Fix (DD) Tapered

## PERFORMANCE

### Fire performance

HardRock Multi-Fix (DD) is non-combustible, and achieves a Euroclass reaction to fire classification of A2-s1,d0.

Flat roof constructions featuring HardRock Multi-Fix (DD) have attained a rating of "Grade EXT-A", the highest possible classification under LPS 1181: Part 1, by successfully passing both the LPS1181 Part 1 'reaction to fire' and LPS1208 'resistance to fire' tests.

HardRock Multi-Fix (DD) roof boards have been tested in accordance with EN 1365-2: 2014, and have a fire resistance classification of REI 120 in accordance with EN 13501-2: 2016 (Classification report - PCA10677A).

HardRock Multi-Fix (DD) Tapered is covered by the above approvals with certain restrictions – more information can be found in LPCB certificates 022g, available on the ROCKWOOL website.

### Thermal performance

HardRock Multi-Fix (DD) Tapered boards have a thermal conductivity of 0.039 W/mK.

When calculating the U-value of a tapered roof, Building Regulations require that the entire roof is taken into account, including gutter details, etc.

Calculations should be carried out in accordance with the method given in Annex C of BS EN ISO 6946, which accurately accounts for varying insulation thickness across a roof.

For more information, please contact the ROCKWOOL Technical Solutions Team at [technical.solutions@rockwool.com](mailto:technical.solutions@rockwool.com).

### Water resistance and moisture

HardRock Multi-Fix (DD) Tapered is impregnated with a water repelling agent during manufacture.

## PRODUCT INFORMATION

### Dimensions

Manufactured at 1200mm x 1000mm, to suit a range of falls. Please contact your local ROCKWOOL representative for more information.

### Storage and handling

Pallets are wrapped in a polythene shroud for protection during transit and for short-term protection if stored outside. For longer-term protection, pallets should be stored under a secure waterproof covering.

Pallets should be stacked no more than two-high for safety. Where craning of pallets to roof level is required, the use of a pallet fork attachment is recommended.

### Specify SPRA

The Single Ply Roofing Association (SPRA) represents membrane manufacturers, associated component manufacturers, and specialist subcontractors and aims to ensure the delivery of best value single ply roofing systems, through a quality assured partnership.

By specifying products and specialist installation by SPRA Manufacturer, Associate, and Contractor members, you can be assured that all parties meet strict quality criteria. Compliance with these criteria and with the Code of Conduct is assessed at application, by annual audit, and by random spot checks.

For further information, and to obtain copies of the SPRA Design Guide and other documents, go to [spra.co.uk](http://spra.co.uk) or call 0845 154 7188.

## STANDARDS AND APPROVALS

Certificate
BBA approved (21/5878).
CE-marked to BS EN 13162.
LPCB approved (022g).

# HardRock Multi-Fix (DD) Tapered

## INSTALLATION

### Preparation work for refurbishment

All previously applied finishes and insulation layers should be removed, unless the existing roof finish is known to be sound and watertight. Furthermore, the layers should be removed if the type and condition of the surface is suitable for the bonding or mechanical fixing of HardRock Multi-Fix (DD) Tapered. It is recommended that the specifier/contractor checks the existing levels to ensure that the falls are correct.

### Achieved design fall

Where practical, it is recommended that the minimum achieved design fall is 1:60, with an enhanced gradient of 1:40 at critical drainage points, such as gutters or outlets. Other falls are available for specific projects.

### Good roof design

Flat roofs may include a variety of features such as rooflights, concrete plinths, and air-handling units. These features can cause ponding water to collect unless correctly detailed.

Standing water may also occur at roof edges, held back by the extra thickness of roofing membrane, or where outlets are positioned at some distance from each other. Where such situations arise, ROCKWOOL offers various solutions, by means of additional design features, which also benefit the long-term performance of the overall roofing system.

HardRock Multi-Fix (DD) Tapered can also be provided for level gutters or other similar constructions. Even where existing falls are available, and flat ROCKWOOL boards are used, a tapered scheme may be required at certain locations on the roof to benefit drainage.

Note that the effectiveness of tapered gutters is restricted to the available height created by ROCKWOOL insulation, plus other design considerations. Refer to ROCKWOOL Technical Support for assistance with specification clauses relevant to your project.

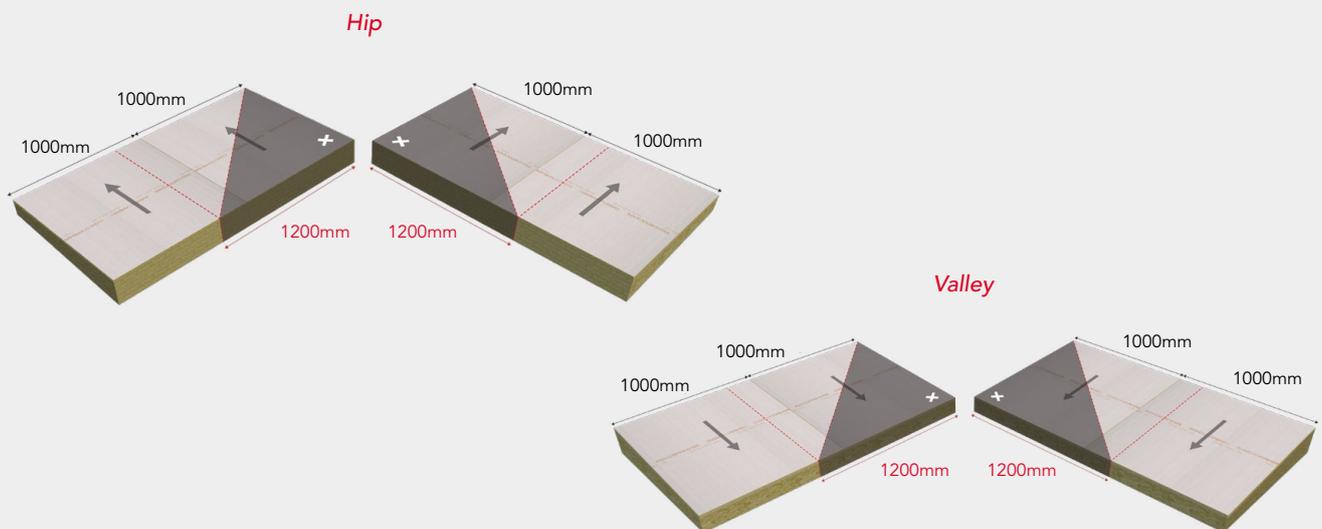
### Fixing

Boards are delivered to site individually marked with a positional code corresponding to the detailed layout drawing provided. The board layout should strictly follow that shown on the drawing, and to avoid error it is advisable to place each board in position temporarily prior to attachment.

The boards are either fully bonded to the vapour control layer with hot bitumen or glue or mechanically fastened through the vapour control layer to the deck.

## MITRE DETAILS

To form hips and valleys, cut and discard the shaded sections of insulation as shown below.



# HardRock Multi-Fix (DD) Tapered

## BUILDING SAFETY AND PRODUCT USE

### LEGAL NOTICES

#### General safety requirements – Building Safety Act 2022

ROCKWOOL Limited is committed to supporting specifiers, resellers, and users of ROCKWOOL products for the full life cycle of the product to comply with the obligations and responsibilities set out in the Building Safety Act 2022. With regard to the general safety requirements of the Act, ROCKWOOL Limited cannot control or foresee every situation where its products might be used. We therefore strongly advise that specifiers, resellers, and users contact us where use of ROCKWOOL products is contemplated in applications different from those explicitly described in the latest, relevant ROCKWOOL product datasheets; especially in applications that can be reasonably foreseen as critical to safety.

ROCKWOOL Limited reserves the right to amend the specification of its products without notice. Changes to the ROCKWOOL manufacturing process, or to pertinent regulations, may be reflected in changes to tested and certified product performance. Whilst ROCKWOOL Limited endeavours to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law or other developments affecting the accuracy of the information contained in our publications.

ROCKWOOL Limited does not accept responsibility for the consequences of using (including testing or certifying) its products in applications different from those explicitly described in the relevant ROCKWOOL product datasheets. Expert advice should be sought, and ROCKWOOL Limited should be contacted, where such different use is contemplated, or where the extent of any use described by ROCKWOOL Limited is in doubt.

#### The ROCKWOOL Trademark

ROCKWOOL® – our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the world.

The ROCKWOOL trademark is one of the most important assets of the ROCKWOOL Group, and is therefore well-protected and defended by ROCKWOOL throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion, you must apply for a Trade Mark Usage Agreement.

To apply, write to:  
[marketcom@rockwool.com](mailto:marketcom@rockwool.com)

#### Trademarks

Registered trademarks of the ROCKWOOL Group include but are not limited to:

ROCKWOOL®, RockClose®, RainScreen Duo Slab®, HardRock®, RockFloor®, Flexi®, RockFall®, FirePro®, DuctRock®, BeamClad®, NyRock®

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#### Health and safety

A Material Safety Data Sheet is available and can be downloaded from [rockwool.com/uk](http://rockwool.com/uk) to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

#### Photography and illustrations

The product illustrations are the property of ROCKWOOL Limited and have been created for indicative purposes only.

Unless indicated below, the photography and illustrations used in this guide are the property of ROCKWOOL Limited. We reserve all rights to the usage of these images.

If you require permission to use ROCKWOOL images, you must apply for a Usage Agreement.

To apply, write to:  
[marketcom@rockwool.com](mailto:marketcom@rockwool.com)

# HardRock Multi-Fix (DD) Tapered

Company:	ROCKWOOL Limited
Version:	Version 2.01 December 2025 <i>(to check this is the latest version, please refer to <a href="https://rockwool.com/uk">rockwool.com/uk</a>)</i>
Revised on:	08.12.2025
Product name:	HardRock Multi-Fix (DD) Tapered
Replaces version:	Version 2.00 January 2024
Changes made:	<ul style="list-style-type: none"><li>• Updated version control information</li><li>• Updated classification and testing information</li></ul>
Additional information:	N/A

*Please ensure you are using the latest version of this document by verifying it on our official website. Do not rely on printed or previously downloaded copies, as these may be out of date.*

*Please contact the ROCKWOOL Technical Support Team if you would like to access archived versions of this document.*

# HardRock Multi-Fix (DD) Tapered

## ROCKWOOL stone wool – safe to install and live alongside

There are no hazardous classifications associated with stone wool insulation manufactured by ROCKWOOL UK according to EU REACH and UK REACH regulations on health and the environment.

ROCKWOOL safe use instruction sheets and material safety data sheets (where applicable) can be downloaded [here](#).



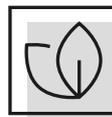
### Sustainability

ROCKWOOL products are used to help enrich modern living, supporting more resilient and comfortable buildings.

We transform abundant, natural volcanic rock into stone wool insulation products that help our customers tackle energy consumption, noise pollution, fire resilience, and climate change challenges such as water scarcity and flooding.

Since our stone wool is endlessly recyclable with no loss in its performance properties, we can take back clean, uncontaminated new off-cuts, and unused ROCKWOOL stone wool insulation from construction sites in the UK. Our service, Rockcycle®, takes back our stone wool and recycles it back into production where it is used to make new ROCKWOOL products.

Our annual sustainability reports, which set out progress against our sustainability goals and further details of the positive impacts of using our products, can be found on our website.



### Environment

ROCKWOOL takes a fact-based, auditable approach to documenting our progress in maximising our products' positive impact and minimising the effect our operations have on the environment, backed by third-party references and methodologies. Further details can be found online in our annual sustainability report.

Our high-tech production process uses filters, pre-heaters, after-burners, and other cleaning and collection systems that help to reduce the effects of our manufacturing operations on the environment.

ROCKWOOL stone wool insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

