

TECHNICAL DATA SHEET

Mineral Wool External Wall Insulation Board

Product Code: RMD*** - MONO DENSITY BOARD (Dual External Use Outer Faces)
 RDD*** - DUAL DENSITY BOARD (Single external Use Outer face)



SPS ENVIROWALL PROMOTES THE RE-USE –RECYCLING AND RESPONSIBLE DISPOSING OF ALL OF ITS PRODUCT RANGE, VIA THE ENVIRONMENTAL ROCKWOOL RECYCLING SCHEME IN OPERATION DIRECT FROM SITE. PLEASE REQUEST DETAILS FROM SPS ENVIROWALL LIMITED.

Characteristics

A high strength, rock fibre mineral wool slab with a water repellent additive specifically designed for use in external wall insulation systems.

Technical Data

Environmental

Represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Durability

Non-hygroscopic, odourless, rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Vapour resistivity

Offers negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00MN.s.g.m.

Moisture resistance

Contains a water repellent additive to ensure that no liquid water is able to pass through them and reach the structure.

Sizes

Available in 10mm increment dimensions to suit system specific thermal requirements in thicknesses that vary from 40 to 250mm dependant on which board type is required. Board sizes 1200x600mm.

Substrate

Substrates must be suitable, stable, clean and dry. Loose render parts can be removed or smoothed if necessary.

Application

Specifically manufactured densities for use with external wall insulation systems. Three types of Mineral Wool boards are available (Lamella mineral Wool for Fire Breaks and curved facades is available on a separate data sheet) the other two are Dual Density and Mono Density. The Dual Density board has a single use outer face which is indicated by printing stating "this Side Up" this will ensure the denser side of the board is on the outside face to be rendered.

The Mono Density board has a constant average density from front to back of the board.

The selection requirement of which board to use is indicated within SPS Envirowall's system specifications.

A 90mm oversized washer is required for the board fixing with a minimum "Domino Five" pattern per board, this pattern may differ depending on the requirement for project specific wind load calculations.

The boards can be either adhered and mechanically fixed or just mechanically fixed to the substrate (dependant on application requirements-please consult SPS Envirowall for technical advice) then overlaid with a basecoat, reinforcement mesh and render system to the system suppliers specification. The boards offer a solid and robust supporting substrate for the render systems and no fire breaks are required. Apply the insulating boards firmly against the wall and adjust the position slightly to ensure they are in contact with the adjacent board leaving no gaps. Supply and insert through the insulation boards and into the substrate mechanical fixings ensuring minimum embedment (subject to pull out tests) in the sequence and pattern as advised by SPS Envirowall Limited. Outer face of all boards to be flat and in-plane. Additional fixings at 300mm centres to be fixed either side of building corners and around all wall apertures. The distance of the fixings from the face of the insulation at

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corners of the building and wall apertures should include the thickness of the insulation board plus 75mm from the corner of the existing substrate.

The fixing must be driven into the substrate until the head sits flush with the surface of the insulation.

L – Shaped insulation boards to be installed at the corners of all window/door or any type of aperture on the façade.

Boards to be fixed using stagger bond pattern with alternate interlocking up all corners of building and apertures. No insulation boards measuring less than 200mm in height or width should be used wherever possible. In certain circumstances this may not be possible, i.e. between window heads and soffits. In these cases it is acceptable to use narrower strips of insulation.

Storage

Supplied in full pallets and covered with shrink-wrapped polythene for protection during transit. This packaging should not be considered adequate for long term outside protection. For longer term protection on site, the products should be stored either indoors, or under cover and off the ground and should not be left permanently exposed to the elements. Boards that have been allowed to get wet should not be used.

Certificates/approvals

Identification

Manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Special Information

Disposal

ROCKWOOL RECYCLING SCHEMES IN OPERATION DIRECT FROM SITE. PLEASE REQUEST DETAILS FROM SPS ENVIROWALL LIMITED.

Check local landfill requirements for correct disposal. See the SPS Envirowall Limited Health & Safety data sheet on this product for information regarding the safe disposal of this product.

The information supplied in this Technical Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Our application recommendations, whether verbal, written or as graphics, are given to the best of our knowledge and the state of the art. Information about values, quantities etc. are based on approximate figures. The recommendations do not constitute a legally binding warranty of quality. In particular no liability claims may be based on these recommendations; the provisions of the product liability law remain unaffected.

The recommendations do not release the purchaser from his own duty to test the product or from his own responsibility, and in particular they do not release the purchaser from compliance with the relevant technical guidelines, regulations, DIN and laws. Publication of a revised version of this technical information sheet due to technical progress invalidates all older versions of this document.