

BT MINI WAVE SHINGLE

Corrugated asphalt sheet for laying under flat or composite shingles with battens



PLACA DANOSA BT MINIONDA (2000x955) is a bituminous sheet with a wavy shape. Composed of mineral and vegetable fibres saturated with a bituminous emulsion at high temperatures. There is no asbestos or toxic materials in its composition, so it is completely harmless to health.

Presentation

- Length (cm): 200
- Width (cm): 95.5
- Product code: 530061

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	4.8	-

Standards and Certification

- In accordance with the UNE-EN 14964 standard for rigid bottom panels for discontinuous laying roofs and decks. Definitions and characteristics.
- Complies with CE marking requirements.

Scope

- BT Mediterraneo slab: under curved tile with a mouth width between 18.5 and 22 cm.
- BT Minionda slab: under flat, mixed, concrete tile with slats.
- Protection under roof tiles.

Advantages & Benefits

- High resistance to compression, allowing foot traffic.
- High longitudinal strength, helps to support the weight of the roof.
- Provides double waterproofing, creating a totally waterproof lower structure on the roof.
- Easy application.
- Light.
- It is not necessary to use mortar for laying.
- Allows an air flow between the support/plate/tiles, avoiding condensation.
- Resistant to climatic changes.

Support

- Continuous concrete supports.
- Continuous wooden supports.
- Continuous mortar supports.
- Discontinuous supports of wooden battens.

Instruction for Use

- PLACA DANOSA BT MINIONDA (2000×955) is used with battens under flat, mixed and concrete tiles.
- PLACA DANOSA BT MINIONDA (2000×955) is used on continuous concrete, ceramic and wood supports (wood decking, wood agglomerate, sandwich panel, etc...) and discontinuous wood battens.
- The panels are installed from the eaves to the ridge and in the opposite direction to the prevailing winds.
- The boards are mechanically fixed to the support. The nail shall always be fixed in the ridge of the wave. The type of fixing depends on the type of support.
- The recommended slope is between 10 and 70 %.
- Plate to plate overlaps: Lateral, two waves. Transversal, 15 cm, except in the case of slopes of less than 20 %, which shall be 30 cm.
- Before fixing the battens, there shall be 4 fixings per board, coinciding with the corners.
- The fixings shall be 7 cm from the edge of the board and shall coincide with the overlap between boards.
- The horizontal battens shall be spaced according to the type of tile. They shall be fixed at a maximum distance of 40 cm (8 waves) across the tile in the ridge area.
- If thermal insulation is used, DANOPREN is placed between the substrate and the tile, and the fixing must pass through the assembly until it is anchored to the substrate.
- In renovation work or for the cladding of existing roofs (on fibre cement boards, for example), 60 x 60 mm wooden battens are fixed perpendicular to the ridge (perpendicular to the line of maximum slope), which will form the supporting framework on which the under-tile boards will be installed. The distance between these battens will depend on the type of tile. The weight of the tile shall be on the battens and not on the tiles. The PVC battens on which the tiles rest will be fixed to these battens.
- It is important to control the overloads of use, snow (if applicable) and the actions of the wind when deciding on the amount and distribution of these battens, always taking into account the standards that regulate the construction of the structure supporting the tiles.
- The installation of PLACA DANOSA BT MINIONDA (2000×955) is not recommended at temperatures below 1º C.
- At the eaves, the panel will overhang by 2 cm (maximum overhang of 5 cm).
- The joints between walls and skirts, and the reinforcements at the eaves, ridge, gable ends and

singular points will be solved with CINTA AUTOADHESIVA SELF-DAN.

Indications and Important Recommendations

- The panels shall always be laid in the direction of the lower corner of the roof and in the opposite direction to the prevailing winds.
- Do not obstruct the ventilation channels between the eaves and the ridge to prevent frost formation and thermal changes.
- Installation at temperatures below 1°C is not recommended.
- It is always recommended to fix the tiles in place, although on slopes between 15 and 30% it is not necessary.

Handling, storage and preservation

- The product must be stored in a dry place protected from rain, sun, heat and low temperatures.
- The product must be stored horizontally.
- The product will be used on a first-come, first-served basis.
- This product is not toxic or flammable.
- Does not contain asbestos or any other component that is harmful to health.
- Waterproofing work must not be carried out when weather conditions may be detrimental, in particular when it is snowing or there is snow or ice on the roof, when it is raining or the roof is wet, surface dampness >8% according to NTE QAT, or when a strong wind is blowing.
- Pallets shall not be stacked on top of each other.
- Danosa recommends consulting the safety data sheet for this product, which is permanently available at danosa.com, Knowledge Portal, or it can be requested from our Technical Department.
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.
- For further information, please contact our Technical Department.

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**