



Alliance Remedial Supplies Limited

Suppliers of specialist building materials
and renovation treatment products

DRYFIX Self Adhesive Bitumen Tanking Membrane.

Self-adhesive SBS elastomeric
bitumen waterproof membrane.



DRYFIX Self Adhesive Bitumen Tanking Membrane is a self-adhesive membrane manufactured with bituminous selected mastic modified with high performance SBS polymers, this will provide self-healing properties, easy application and great durability. As a top layer it has a cross laminated HDPE film, which will provide better mechanical resistance, puncture resistance (static and dynamic), high elongation and high dimensional stability characteristics. At the bottom side it has a releasable film.

Presentation

- Length (cm): 2000
- Width (cm): 100
- Thickness (mm): 1.5
- Product code: 192235

Technical Data

Concept	Value	Standard
External fire behavior	PND	UNE-EN 1187
Elongation at break longitudinal (%)	100 ± 20	UNE-EN 12311-1
Elongation at transverse break (%)	100 ± 20	-
Humidity resistance factor	115000	EN 1931
Low temperature flexibility (°C)	< -15	UNE-EN 1109
Reaction to fire	F	UNE-EN 11925-2; UNE-EN 13501-1
Resistance to static loading (kg)	5	UNE-EN 12730

Concept	Value	Standard
Resistance to root penetration	No pasa	EN 13984
Longitudinal tensile strength (N / 5cm)	200 ± 100	-
Transverse tensile strength (N / 5cm)	200 ± 100	-
Longitudinal resistance to tearing (nail shank) (N)	180 ± 50	-
Transversal resistance to tearing (nail shank) (N)	180 ± 50	-
Volume resistivity (500 V dc – 60 s Cl. Nº 12.2) ($\Omega \cdot \text{cm}$)	6.3	-
Dielectric strength (in air, 25 °C Cl. Nº 12.1.1)~ Value	9.6	-
Hazardous substances	PND	-

Additional Technical Data

Concept	Value	Standard
Adhesion of granules (%)	PND	UNE-EN 12039
Dimensional stability at elevated temperatures (longitudinal) (%)	<2.5	UNE-EN 1107-1
Dimensional stability at high temperatures (transversal) (%)	<2.5	-
Creep resistance at high temperatures (°C)	>70	UN-EN 1110

Environmental Information

Concept	Value	Standard
Recycled content afterword the consumer (%)	35	-
Manufactured in	Fontanar - Guadalajara (España)	-

Scope

- Radon gas barrier. Bituminous
- Vapour barriers
- Waterproofing of buried structures and foundations.
- Waterproofing in wet areas such as bathrooms, kitchens, terraces (under tiles). Waterproofing sheet
- under tiles on pitched roofs.
- Waterproofing sheet on the outside of walls.
- It is used for waterproofing basement walls, made of concrete or rendered solid brick, provided that the solution is previously primed on the substrate and the sheet is protected with a DANODREN type drainage sheet on the outside face in contact with the ground.
- It is also used under tiles on pitched roofs to ensure that the roof is watertight in the event of displacement or breakage of the pieces.

Advantages & Benefits

- Application at room temperature.
- Ensures the airtightness of the roof against tile breakages.
- Helps to increase the durability of the sheet.
- It retains its properties better over time.
- Ease and speed of installation
- Total impermeability to water and water vapour.
- Rot-proof.
- The sheet, being made of a polymer-modified bitumen mastic that substantially improves on other bituminous mastics, provides much better performance in terms of reaction at high and low temperatures, elasticity and resistance to ageing, which leads to greater durability of the sheet and greater safety of the waterproofing membrane.
- Very stable in the long term.
- Perfectly adheres to a large number of substrates (concrete, fibre, cement, metal, tile, etc.). Total flexibility of the material for perfect adaptation to the support.
- The texture of the outer face favors resistance to slipping on pitched roofs.

Instruction for Use

Surface preparation:

- Concrete must be dry, clean and free from sharp projections such as nail heads and concrete nibs. Remove all surface imperfections, protrusions, cavities, structurally unsound and friable concrete and repair with a suitable repair mortar.
- Remove contaminants such as grease, oil, dust, dirt, loose stones, debris and wax from exposed concrete.
- Concrete must be properly dried (minimum 7 days for normal structural concrete and 14 days for lightweight structural concrete).
- Substrate should be prepared using a primer either IMPRIDAN 100, CURIDAN, MAXDAN or MAXDAN CAUCHO, at the recommended rate (approximately 0,200-0,300 kg/m²) prior to installation of DRYFIX SELF ADHESIVE MEMBRANE.
- Primer should be dry before the application of the membrane. Drying time depends of the temperature and humidity.

Alignment:

- Start the installation of all membrane plies from the low point or drains, so the flow of water is over or parallel to the plies, but never against the laps. All overlaps at the membrane seams shall be installed so as to have “up” slope laps over “down” slope laps.
- Begin membrane application by unrolling the roll of DRYFIX SELF ADHESIVE MEMBRANE and aligning the side laps. Re-roll the roll halfway and hold on the unrolled portion to prevent shifting.

Membrane installation:

- Unroll only the required length of DRYFIX SELF ADHESIVE MEMBRANE and cut the piece to the desired shape and size.
- Place the pieces of DRYFIX SELF ADHESIVE MEMBRANE on the area to be covered, and check whether they match with the profile of the marked substrate.
- Peel off the release film from the self-adhesive side and place the membrane so as to ensure a minimum overlap of 80 mm.
- Start unrolling the membrane and press it firmly against the surface, from the middle to the edges in order to drive out entrapped air with a wooden press.

- The surface to be overlapped should be dust free and the membrane must be firmly pressed down to ensure a watertight bond.

Protection system:

- In order to prevent damages, DRYFIX SELF ADHESIVE MEMBRANE must be protected by a protection layer as soon as possible.

Indications and Important Recommendations

- Store in a dry place, protected from rain, sun, high and low temperatures.
- It should be kept in the sun for as short a time as possible to protect it from UV rays.
- In case of new construction and renovation, possible chemical incompatibilities with APP plastomer- modified bitumen sheets shall be taken into account.
- In case of renovation, chemical incompatibilities with old waterproofing consisting of flexible PVC sheets, modified tar-based mastics or any other, shall be taken into account, and it may be necessary to remove them completely or to use suitable separating layers (geotextiles, mortar layer, polyethylene film, etc).
- If it is necessary to adhere to metallic or slightly porous elements, a bituminous primer (IMPRIDAN 100) shall be applied to the entire surface to be welded beforehand.
- On flat roofs, it cannot be used as a waterproofing system.
- In cold weather, it is advisable to slightly heat the support with the blowtorch.
- This product is part of a waterproofing system, so all the documents referred to in the Alliance Remedial Solutions Manual must be taken into account, as well as all the regulations and legislation that must be complied with in this respect.
- Exposure to the sun can make it difficult to remove the release film. The temperature of the sheet during installation must not exceed 50°C.
- It must not be installed when the ambient, product or substrate temperature is below +10°C. There is no chemical incompatibility between the Alliance Remedial range of SBS elastomeric bitumen and plastomeric bitumen sheets.
- Do not use as a top sheet on green roofs.
- Possible incompatibility between thermal insulation and waterproofing shall be checked.
- A separating layer (DANOFELT or DANODREN) must be laid before laying the heavy protection (paving, gravel, topsoil, etc.), except in the case of waterproofing under tiles.
- Polyurethane foam shall not be sprayed directly on top of the waterproofing without the use of a suitable separating layer (geotextiles, mortar layers, polyethylene film, etc).
- If expansion that could affect the sheet is expected, a separating layer shall be used between the sheet and the extruded polystyrene insulation boards, so that each product expands independently.

Maintenance Recommendations

- Maintenance requirements for Alliance Remedial Roofing Products The following maintenance checks must be adhered to: A general examination on the condition of the waterproofing and surrounding roof components. An inspection of all functional roofing elements including skylights, outlets, upstands, penetrations and any other visible roofing components. Clean outlets, drains, gutters and remove any debris from the roof. Periodic removal of mildew, moss, herbs or any other kind of vegetation that has been accumulation on the waterproofing. Periodic removal of possible sediments accumulated on the deck (silt, sledges, slate granules, etc) by occasional water accumulation.

Periodic removal of debris and small objects that may have accumulated on the roof. Ensure surrounding structural elements are sound such as eaves, flashings, slate tiles and brickwork. Ensure that the waterproofing is in good condition and there are no blisters, damage or separation. Review the condition of the waterproofing (adherence to upstands, condition of overlaps, visual appearance, etc) and repair the defects observed. These operations must be carried out twice a year, preferably at the beginning of spring or autumn and must be increased in case of decks or valleys with zero falls. It is also necessary to perform additional maintenance depending on the type of roof, location and proximity of roofs to areas with trees or in areas with high levels of pollution.

More details on the document Maintenance and repair recommendations for flat roofs waterproofed with modified bitumen sheets.

Handling, storage and preservation

- Before moving the pallet, the condition of the shrink-wrap is checked in order to reinforce it if necessary.
- The product should be kept in the sun for the shortest time possible to protect it from UV rays.
- The product must be stored in a dry place protected from rain, sun, heat and low temperatures. The product will be stored horizontally.
- The product will be used on a first-come, first-served basis.
- In cold weather, it is advisable to slightly heat the support with the blowtorch.
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.
- This product should not be installed when the ambient, product or support temperature is below +10°C.
- This product is not toxic or flammable.
- Exposure to the sun can make it difficult to remove the release film. The temperature of the sheet during installation must not exceed 50°C.
- 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.
- For high storage, the racks must have three cross members, or braces under the wooden pallet skids.
- For further information, please contact our Technical Department.
- For handling with a crane, use a protective net as indicated on the pallet label.

Notice

The information contained in this document and any other advice provided, are given in good faith, based on ALLIANCE REMEDIAL's current knowledge and experience when products are properly stored, handled, and applied, in normal situations and in accordance with the recommendations of ALLIANCE REMEDIAL. 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 ALLIANCE REMEDIAL Technical Service before using the ALLIANCE REMEDIAL 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. ALLIANCE REMEDIAL reserves the right to modify, without prior notice, the data reflected in this documentation.