

GENERAL[®]
MEMBRANE

COLUMBA
APP MEMBRANES



www.generalmembrane.it

STOPPING THE WATER

COLUMBA APP MEMBRANES



Cold Flexibility



scan the Qr code

GENERAL
MEMBRANE

WATERPROOFING MEMBRANES - APP

The COLUMBA range of bituminous waterproofing membranes is characterized by good anti-ageing properties and resistance to UV ray ageing action. These membranes are particularly indicated for use in warm climates.

COMPOUND

COLUMBA membranes employ a compound consisting in distilled bitumen modified with elasto-plastomeric polymers (APP). Its quality is highlighted by two indicators: flexibility at low temperatures (-5° C) and high temperature flow resistance (110° C). These parameters positively affect and contribute to increase the service life of the roofing system.

The good flow resistance at high temperatures of these membranes makes them ideally suited for application in warm climates and for use on thermally-insulated roofs.

The compound employed by COLUMBA membranes is unaffected by UV ray ageing action and affords excellent walkability during application.

REINFORCEMENT

COLUMBA membranes are available with different reinforcements:

- Rot-proof non-woven spun-bond or staple polyester fabric stabilized with fiberglass. These "composite" reinforcements combine the excellent mechanical properties of polyester reinforcements with the extraordinary thermo-dimensional stability typical of glass-fiber and guarantee high levels of performance to the membranes.
- Rot-proof stabilized fiberglass reinforcements offering excellent dimensional stability and avoid unsightly wrinkling of the membranes and shrinkage of the waterproofing surface.

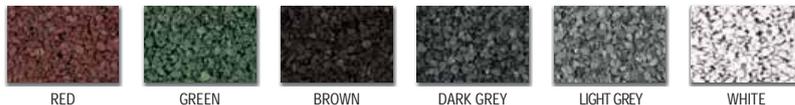
SURFACE FINISHING

COLUMBA can be supplied with either a sanded, talc or slate chip (mineral) top finish, while the bottom surface can be smooth or embossed and protected by a heat sensitive non-stick film PE/PP or sand. Since the COLUMBA compound is virtually unaffected by UV radiation, the membrane can be left without further protection. However the system is also available with the membrane's upper surface coated with slate flakes that lower the membrane's temperature when exposed to intense sunlight, which in turn all have the effect of slowing down the ageing process, increasing the life of the system.

EXTERNAL FINISHING



MINERAL COLOURS AVAILABLE



WAREHOUSING & FIXING DIRECTIONS

Material has to be stored in a covered place; it is advisable not to exceed 12 months. Rolls must be stored vertically on pallets or on flat surfaces. Protect the membrane from extremely low temperatures and stabilize the material before its installation, leaving it at least 24 hours in a room at +5°C. All General Membrane products can be installed loose laid, partially bonded or fully adhered as required by the specification of the contractor. It should be noted that this refers only to the first layer of a multiple-layer system and that all subsequent layers should be installed fully adhered to the previous layer. For a correct use of the products, please refer to the specific technical documents issued by General Membrane Spa. If any law, norm or regulation different from what declared by the manufacturer is in force in the Country where the product must be installed, it must be considered as compulsory by the applicator. It is his own responsibility to follow the suitable legislative references.

All membranes made General Membrane Spa are manufactured by using unblown asphalt and do not contain either tar from coal or asbestos and any other dangerous elements, according to law. (cfr. D.M. January 1992, all.to III p.to 2). Modified bitumen membranes mentioned in this technical data sheet are not submitted to fulfill the obligations of issuing the safety form according to DM of 28.01.92 part 10 "classifications and packaging methods and ticketing of dangerous compounds according to European directives". Complete information / safety from available upon request. Technical characteristics are related to current production. General Membrane SpA reserves the right to improve and change its products any time. It is the customer's duty to set the suitability between the product and its use.



ADVANTAGES



Ease of detailing



Dimensional stability



UV rays resistance

QUALITY & CERTIFICATIONS



CE MARK

for more information: export@generalmembrane.it

