

MINERAL TECTENE RINOVA EP POLYESTER

HEAT-ADHESIVE POLYMER BITUMEN WATERPROOFING MEMBRANE, SELF-PROTECTED WITH SLATE FLAKES. IT CONTAINS DISTILLED BITUMEN, ELASTOMERS AND POLYOLEFINIC COPOLYMERS FOR TOTAL ADHERENCE RENEWAL OF OLD BITUMINOUS COATINGS. THE LOWER FACE IS COATED WITH A HEAT ADHESIVE MIX

GRANTS **LEED** CREDITS

CATEGORY	CHARACTERISTICS	ENVIRONMENTAL						METHOD OF USE		
EP S SPECIAL ELASTOPLASTOMERIC FOR SPECIFIC USES	WATERPROOF SUPER-ADHESIVE REAZIONE AL FUOCO	ECO GREEN	ASBESTOS FREE	TAR FREE	CHLORINE FREE	RECYCLABLE	NON DANGEROUS WASTE	EXHAUSTED OIL FREE	TORCH APPLICATION	NAILING

1 PROBLEM

ROOF	<input checked="" type="checkbox"/> Flat	<input checked="" type="checkbox"/> Sloped
OLD MEMBRANE ON:	<input checked="" type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Wood
	<input checked="" type="checkbox"/> Metal deck	<input type="checkbox"/> Thermal insulation

RENEWAL OF OLD STILL WATERPROOF COATINGS

How to renew and prolong the life of an old still waterproof bituminous coating, but with clear signs of wear: a surface suffering from considerable 'crocodile' effect, or which is losing its mineral self-protection or paint, or with metal self-protection detaching, etc.

2 SOLUTION

MINERAL TECTENE RINOVA

primer, providing the laying surface is clean, dry and free of dust and friable material. It has a very high bond strength, the peel strength from a iron plate (according to UEAtc methode) show a result of 200 N/5cm. The **MINERAL TECTENE RINOVA EP POLIESTERE** is a composite reinforcement in polyester stabilised with fibreglass. It gives the membrane excellent dimensional stability combined with high mechanical resistance and elasticity. The upper face of the membrane is covered with hot-pressed slate flakes, with the exception of a side overlapping strip which is smooth and slate free. This strip is protected in the same way as the membrane's lower face, by hot-melt Flamina film. This film should be flame melted to create adhesion for the underlying layers and on the overlap.

CE INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO THE AISPEC-MBP GUIDELINES

EN 13707 - REINFORCED BITUMEN SHEETS FOR ROOF WATERPROOFING

- Upper layer in multi-layer systems without permanent heavy surface protection - MINERAL TECTENE RINOVA EP POL.

MINERAL TECTENE RINOVA EP is the self-protected heat adhesive membrane created by Index to renew an prolong the life of the previous bituminous layer which still shows no sign of seepage. In this case, the underlying layers are not yet damp and therefore, the membrane can be torch bonded for total adhesion onto the old layer without the risk of trapping humidity, with the advantage of recovering and strengthening the old layer's water tightness.

MINERAL TECTENE RINOVA EP consists of an elastic mix containing distilled bitumen, thermo-plastic elastomers and phase inverted polyolefinic copolymers. The mix's continuous phase is obtained from the copolymer in which the bitumen is dispersed. Here, the characteristics are determined by the polymer matrix and not by the bitumen, even if the latter is the main ingredient. Consequently, the membrane does not melt in the heat, is flexible in the cold and maintains its quality long-term. A special mix is spread on the membrane's lower face, in contact with the laying surface. It contains distilled Venezuelan bitumen and elastomeric copolymers which are highly compatible both with old oxidised bitumen coating, and with polymer bitumen membranes of any type. The mix of the lower face is highly heat adhesive and adheres to old coatings, even without

APPLICATION FIELDS

MINERAL TECTENE RINOVA EP is aimed at renewing old exposed bituminous coatings, or which are installed exposed, and which show the early signs of wear leading to loss of water tightness. Total adherence by torched bonding of the new membrane will renew the whole waterproof system, lengthening its life. Prompt coating will, in most cases, prevent economic damage and emergencies. These situations can be avoided at low cost without any damage, by a careful maintenance plan using **MINERAL TECTENE RINOVA EP**.

parts such as accumulations of grit, dirt etc. The membrane should be bonded over the joints of the old coating. Overlay the sheets on the overlapping strip of the slate free top face. The end overlays should be about 15 cm. If there are any bubbles or creases on the coating, flatten and repair them before laying, with **MINERAL TECTENE RINOVA EP**. For coats protected by copper or aluminium foils, the latter must be delaminated or removed with the help of a flame before bonding the new membrane. For layers which had been laid under the floor or under gravel, wait until the humidity absorbed by the old layers has completely dried before bonding the new layer. **MINERAL TECTENE RINOVA EP** is designed to be exposed or to be used on all slopes where the old layers have already been applied.

METHOD OF USE AND PRECAUTIONS

Torch bond the membrane on the old dry coating, for full adherence. But first, clean the old coating properly, removing any friable or incoherent

ADVANTAGES

- The elastomeric heat adhesive coating on the lower face ensures tougher, long lasting adhesion.
- It prolongs the life of the existing coating.

TECHNICAL CHARACTERISTICS

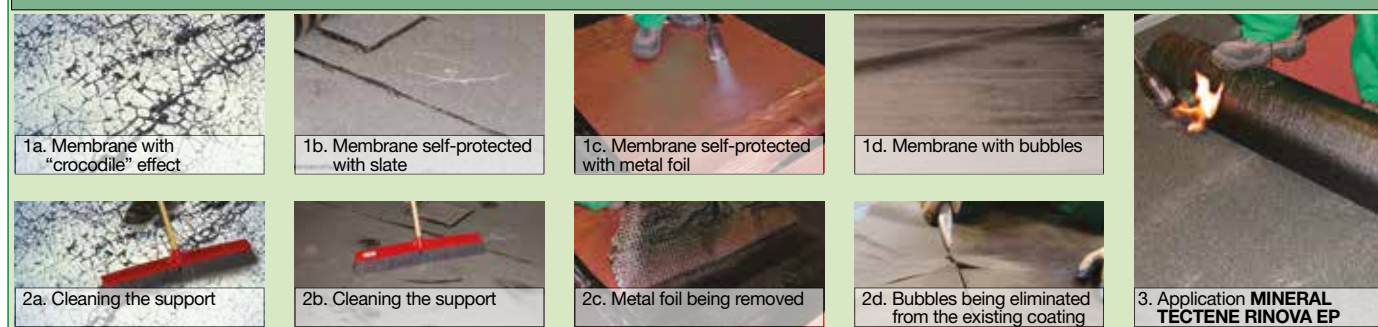
	Standard	T	MINERAL TECTENE RINOVA EP POLYESTER
Reinforcement			"Non-woven" composite polyester stabilized with fibreglass
Mass per unit area MINERAL	EN 1849-1	±15%	4.5 kg/m ²
Roll size	EN 1848-1	-1%	1x10 m
Watertightness	EN 1928 - B	≥	60 kPa
Maximum tensile force L/T	EN 12311-1	-20%	400/300 N/50 mm
Elongation L/T	EN 12311-1	-15% V.A.	35/40%
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	140/140 N
Dimensional stability L/T	EN 1107-1	≤	-0.25/+0.10%
Flexibility to low temperature	EN 1109	≤	-15°C
Flow resistance at high temperature	EN 1110	≥	100°C
Reaction to fire Euroclass	EN 13501-1		E
External fire performance	EN 13501-5		F roof

Thermal specifications

Thermal conductivity	0.2 W/mK
Heat capacity	5.40 KJ/K

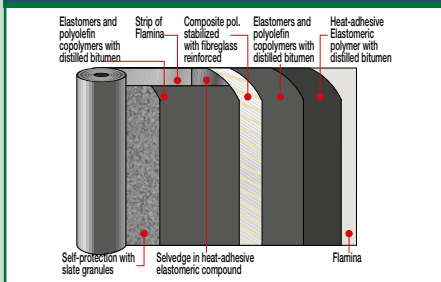
Compliant with EN 13707 in terms of the resistance factor to steam penetration for reinforced polymer-bitumen membranes, the value of $\mu = 20\,000$ may be considered, unless declared otherwise.

METHOD OF USE



COMPOSITION OF THE MEMBRANE

MINERAL TECTENE RINOVA EP POLYESTER



PRODUCT FINISHING



"FLAMINA" PE FOIL. Plastic protection film helping prevent coils from sticking to the roll. As it withdraws under the action of the flame right during its installation, it signals the best melting point in order to correctly glue the membrane to the brackets and rises. When not heated, it can be used as a sliding layer.



SELF-PROTECTION WITH SLATE GRANULES. On the visible face of the membrane, a protective coating made up of slate granules of various colours is hot bonded. This mineral shield protects the membrane from ageing caused by UV rays.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

index
Construction Systems and Products

Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67
T. +39 045 8546201 - F. +39 045 518390

Internet: www.index-spa.com
Informazioni Tecniche Commerciali
tecom@indexspa.it
Amministrazione e Segreteria
index@indexspa.it
Index Export Dept.
index.export@indexspa.it

