

EUROGUM BLACK IS A THERMOPLASTIC POLYOLEFIN (TPO) MODIFIED, FLAT ROOFING MEMBRANE WITH DUAL REINFORCEMENT THAT IS UV RESISTANT, WHICH WHEN USED IN A SYSTEM OFFERS GUARANTEES AND WARRANTIES OF UP TO 25 YEARS

1. APPLICATION TYPES

Eurogum Black can be cold applied in a single layer, torch applied as part of a traditional built-up roofing system or mechanically fixed. Eurogum V is available with an anti-root inhibitor for use in Viridis green roof systems. Eurogum systems are suitable for use in new build and refurbishment projects.

2. APPLICATION AREAS

Eurogum can be used on new flat roofs or for flat roof refurbishment, podium decks, tunnels, roads, bridges and underground car parks. Eurogum V can be used for both Viridis Green Roof and Green Walling systems

3. GUARANTEED DURABILITY

Fire Safety; When incorporated in a Euro Polymers Specification, and as described in Table A5 of part B of the fire safety in buildings regulations 1991, Eurogum Membranes are un-restricted in their use in relation to fire.

Production; The processes used in the production of Eurogum are in accordance with M. O. A. T No 31 1984. The whole production process has been independently assessed to meet ISO9001.

Compatibility; Eurogum is compatible with all products that are normally found on a roofing site. The products that should not be brought into contact with any bitumen based products are hydro-carbon solvents such as creosote and paraffin

Testing; Eurogum was covered by technical certification from ICT (Italy) and BDA (Holland) these certificates have been superseded by the new CE Marking, the testing for which is detailed in section 4. and entitles the system to be sold throughout the entire European community.

4. APPLICATION AREAS

Test Description	Standards	M/U	Nominal Values	Tolerances
Visible Defects	UNI EN 1850-1	—	Pass the test	—
Length	UNI EN 1848-1	M	8.0	-1%
Width	UNI EN 1848-1	M	1.10	-1%
Straightness	UNI EN 1848-1	mm	0	20mm x 10m
Thickness	UNI EN 1849-1	mm	4	±0.2
Water tightness (B method)	UNI EN 1928	Kpa	400	60
External fire exposure to roof	EN 13501-5	—	Froof*	—
Reaction to fire	EN 13501-1	—	F**	—
Shear resistance of joints	UNI EN 12317-1	N/50 mm	500	≥
Tensile strength L/T (max load)	UNI EN 12311-1	N/50 mm 6	50 / 650	-20%
Breaking Elongation L/T	UNI EN 12311-1	%	50 / 50	±15
Resistance to impact (dynamic)	UNI EN 12691	mm	1000	≥
Static loading (B method)	UNI EN 12730	Kg	15	≥
Resistance to tearing (nail shank)	UNI EN 12310-1	N	200	±20%
Dimensional stability L (long)	UNI EN 1107-1	%	±0.2	≤
Flexibility at low temperature	UNI EN 1109	°C	- 20	≤
Shape stability to heat	UNI EN 1110	°C	140	≥
Shape stability to heat after artificial ageing by long term exposure to elevated temperature	UNI EN 1296/1110	°C	130	≥
Artificial ageing by exposure to radiations	UV UNI EN 1297/1850-1	Visual	Pass the test	—
Watertightness after stretching at low temperatures	UNI EN 13897	%	5	≥
Peel resistance to joint	UNI EN 12316-1	N/50 mm	40	≥
Durability - Watertightness after ageing	EN 1296 - EN 1928	—	Pass the test	—
Durability - Watertightness against chemicals	EN 1847 - EN 1928	—	NPD	—
Adhesion of granule	UNI EN 12039	%	NPD	≥

* test EN 1187 u 1-2 passes ** to be classified in class E



5. EUROGUM SYSTEMS

Eurogum System 25 Components (25 Year Warranty)

TD Uni-Vap metal lined vapour control layer torch bonded by heat transfer, bonding the insulation as part of the same process. Coolface insulation system to meet U-value or cut-to-falls requirements. Euro Polymers pre-formed corner units, outlets and angle fillets all applied by torch application to form part of the membrane system. TD Underlay heat transfer membrane. Diamond 4mm SBS membrane torch applied to the TD Underlay bonding the TD Underlay as part of the same process. Eurogum 4mm Black applied by torch, Eurogum Adhesive, hot air or mechanically fixed..

Eurogum System 20 Components (20 Year Warranty)

TD Uni-Vap metal lined vapour control layer torch bonded by heat transfer, bonding the insulation as part of the same process. Coolface insulation system to meet U-Value or cut to falls requirements. Euro Polymers pre-formed corner units, outlets and angle fillets all applied by torch application to form part of the membrane system. TD Underlay heat transfer membrane applied by surface torch application.

Eurogum 4mm Black applied by torch, Eurogum adhesive, hot air or mechanically fixed.

Eurogum System 15 Components (15 Year Warranty)

TD Uni-Vap metal lined vapour control layer torch bonded by heat transfer, bonding the insulation as part of the same process. Coolface insulation system to meet U-value or cut to falls requirements. TD Underlay heat transfer membrane applied by surface torch application. Eurogum 4mm Black applied by torch, Eurogum adhesive, hot air or mechanically fixed.

Eurogum Swift System (bespoke options)

Eurogum swift offers bespoke specifications, guarantees and warranties specific to individual projects requirements. Materials applied using our approved contractor network QA+ offering NVQ trained applicators, we ensure that projects are meeting the highest standards of material installation, with AWM independently inspecting and reporting on site the application.

6. ADHESIVES EUROGUM - BITUMINOUS COLD SOLVENT ADHESIVE

DESCRIPTION:

Is an easily workable paste to be laid in an uniform way on to the deck: The adhesive also acts as an intermediate waterproofing layer between the deck and membrane.

APPLICATION FIELD:

It can be used instead of torch-on application as a glue to apply the Eurogum membrane on prepared decks such as existing membranes, concrete and timber.

CHEMICAL COMPOSITION:

Bitumen, aliphatic hydrocarbons, filler, plasticizers, additives.

PHYSICAL CHARACTERISTICS:

- Dense Black Paste
- Density at 20°C in Kg/l: 1,15-1,25
- Brookfield Viscosity Gir. n. 5 e 5 rpm at 25°C: 40000-50000 cps

INDICATIVE CHARACTERISTICS:

- Point of in-flammability in closed vase: >40°C
- Dry Residue at 130°C: 80-84%

USE:

Surfaces to be treated should be dry, clean and free from oils and dusts etc. The product is ready to be used and should be applied with a special spatula. The drying time after the membrane's application may vary according to the deck type, the thickness of the layer that has been made and the roof temperature. Coverage is 1 kg/m² according to the deck type/surface. Tools should be washed with white spirit type solvents.

SAFETY NORMS:

See relevant safety sheet.

PACKAGING:

In metal drums of 25 kg (net). Or 1000kg IBC's are available for larger areas

APPLICATION FIELD:

Bituminous adhesive for bonding both Coolface insulation boards and Eurogum membranes together and/or to the substrate

CHEMICAL COMPOSITION:

Hydrocarbon resins, elastomers, bitumen, filler, aliphatic hydrocarbons.

PHYSICAL CHARACTERISTICS:

- Black paste.
- Specific weight kg/l at 20°C; 1,1 – 1,2
- Brookfield Viscosity Gir. n. 7 e 5 rpm at 25°C: 280-350 cps

INDICATIVE CHARACTERISTICS:

- Dry Residue at 130°C: 86-92%
- Shelf life: 12 months
- Can suffer freezing (during application)

USE:

Surfaces to be treated should be dry and clean. The product is ready to be used and should be manually applied with a special spatula by stripes or by points on the insulating panels which are then laid on the surfaces to be insulated or on the waterproofing layer. Application has to be effected when temperature is higher than +5°C. The quantity to be used (by stripes or by points) is about 1 kg/m² but it may be increased to suit specific projects in line with wind up-lift calculations.

SAFETY NORMS:

See relevant safety sheet.

PACKAGING:

In metal drums of 25 kg (net). Or 1000kg IBC's are available for larger areas

7. UP-STAND ADHESIVE EUROGUM UP - BITUMINOUS SOLVENT MASTIC

APPLICATION FIELD:

It is used to connect waterproofing layers to vertical joints, draining pipes, skylights etc. It is also suitable to seal cracks in old bituminous membranes. Given the products thixotropic qualities, it can be used on vertical surfaces where a torch is not suitable.

CHEMICAL COMPOSITION:

Bitumen, aliphatic hydrocarbons, filler, plasticizers, additives.

PHYSICAL CHARACTERISTICS:

- Dense black paste.
- Density at 20°C in Kg/l: 1,28-1,32
- Brookfield Viscosity Gir. n. 7 e 5 rpm at 25°C: 300-500 cps

INDICATIVE CHARACTERISTICS:

- Point of in-flammability: >40°C
- Dry Residue at 130°C: 82-88%

USE:

Surfaces to be treated should be dry, clean and free from oils and dusts etc. The product is ready to be used and should be applied with a round nosed trowel. For crack repairs, lay two consecutive layers of product and insert Polymat 50 Glass fibre mat. Any possible swelling of the membrane can be eliminated by cross cutting and gluing the four edges on which two layers of product with a Polymat glass fibre tissue reinforcement should be applied. After the solvent evaporates a soft elastic non-sticking film will be formed. The drying time may vary according to the deck type, the thickness of the layer and the roof temperature. EUROGUM UP's coverage is about 1 kg/m². to glue membranes in vertical position. Tools should be washed with white spirit type solvents.

SAFETY NORMS:

See relevant safety sheet.

PACKAGING:

In metal drums of 25 kg (net). Or 1000kg IBC's are available for larger areas

8. GUARANTEES AND WARRANTIES

Euro Polymers offer a full range of guarantees and warranties.

AWM Protector, Pathfinder and Pioneer warranties offer varying levels of term and cover.

Please contact Euro Polymers for further details.