

Product Technical Information

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ADEPRIMAIRE

Product Description and Use

This product is cold applied jellified solvent free elastomeric liquid bitumen. It is produced with elastomeric modified bitumen without hydrocarbon solvent with very low VOC content.

This product has thixotropic properties and very high elasticity without perceptible residual elongation.

It is used on external and internal works as:

- Damp proofing for foundations and underground structures.
- Damp proofing for building façade (concrete and block).
- Curing compound to prevent the internal concrete moisture.
- Internal building wet areas waterproofing.



It must be used in accordance with Siplast relevant technical specifications.

Composition

Thixotropic Elastomeric modified bitumen; water

Properties	Test Method	Units	Nominal values
Density	NF T 30020	g/cm ³	1.18
Dry content		%	67
Viscosity		Cp	1500-2000
Ph			≥ 9.5

Performances	Test Method	Units	Nominal values
Tensile strength at max (1)	NF T 46 002	N/cm ²	12
Elongation at max (1)	NF T 46 002	%	1200
Drying Time (2)	ASTM D 2939-section13	Hours	48
Heat flow test at 100°C(1)	ASTM D 2939 – section 10	Hours	2
Water Vapour permeability (1)	EN 1931	g/m ² / 24 h	≤ 0.3

1. The samples are prepared according to ASTM D 2939 and they are completely dry.
2. It refers to the surface of the product. The test is carried out at 23 °C and 55% RH drying time and is considered passed when the emulsion have reached a firm set on surface and a light rubbing of the finger does not break, roll, or displace the surface of the coating. This drying time allow to obtain a thin dry film on top surface of the product.

Packaging

Packaging can	25 kg
Number of cans per truck pallet	36
Nb. of cans per container pallet	24

ISO 9001 REFERENCE DOCUMENT

Our company has been awarded the ISO 9001 certificate for all its establishments in France.

Our company reserves the right to modify its composition as a result of technological and experimental improvements.

To obtain the up-date technical data sheet, please contact Siplast



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Generalities

General information	<ul style="list-style-type: none"> - Liquefy the gel by mixing the emulsion in the original drum using a mixing blender. - Application must be done on clean and dry support with trowel, brush or painting roller. - During application, temperature (product, support and air) must be > 5 degree C. - Consumption varies according to the substrate roughness - The coating thickness can be slightly different according to the used application equipment.
Concrete support	<ul style="list-style-type: none"> - The concrete support has to be flat clean, free of oil and debris (vertically on horizontally, depending on the project). - Concrete very low porosity must be avoided. - Wet concrete support must be avoided. - Drying time: a film on surface of the product is formed after 24-48 hours depending on the concrete porosity, temperature and air humidity. This film already allows the surface to be waterproofed against humidity and water drops but do not against water pressure. The complete drying of product will precede afterwards even when the product is covered by concrete screed.

Generalities about application

Below Grade:	<ul style="list-style-type: none"> - Damp proofing for foundations and underground structures (internal application), the application rate on concrete is: one coat of 300 to 500g/m² depending on the surface roughness. - Damp proofing for foundations and underground structures located above the water table (external application): the application rate on concrete is: 1,5 kg/m² in 2 coats, 0,5g/m² 1st coat and 1,0 kg/m² 2nd coat.
Building façade:	<p>The application rate is: one coat 500 g/m² on smooth medium porous concrete For rough concrete block surfaces, more coverage should be adapted according to the surface roughness.</p> <p>It can also be used as anti-fungal protection for building facades and above false-ceiling areas. Adeprimaire does not allow the substrate to be in contact with microorganisms and consequently to be contaminated.</p>
Wet areas:	<p>Wet areas are bathrooms, kitchens and all room (≤ 25 m²) subject to receive water spillage: the application rate on concrete is: 1.5 kg/m² in 2 coats, 0,5g/m² 1st coat and 1,0 kg/m² 2nd coat.</p>
Used as Primer	<p>Dilute with 30 % in weight using distilled water (avoid water with pH < 7) in order to obtain a water based primer that can be used in non-ventilated areas or where solvent primer is not permitted. In this case, the hereafter membrane application by torching, using hot bitumen or self-adhesive membrane is allowed.</p> <p>The application rate on concrete is 200 to 300 g/m² (depending the surface roughness).</p>
On site flood test	<p>The complete curing time of the product depends on concrete temperature and porosity, air temperature, air humidity and ventilation. At 23°C with 50% HR and in a ventilated site the surface curing time is 48hours and this allow to obtain a thin film formed on top surface of the emulsion. With a correct surface curing, the product is not anymore tacky on surface. The film correctly formed on top surface of the product allows a water test with 20mm water column.</p>

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Complementary information

Modification(s)	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the up-date technical data sheet, please contact our technical department.
Hazardous classification	It is not classified as dangerous according to the international regulation (ADR, RID, IATA, et RTMDR).
Complementary information	This product is only a product technical data sheet, regarding each waterproofing design, please, consult the concerned technical agreement and in case of doubt contact our technical department.
Storage	It must be stored under shelter at temperature > 5 degree C and lower than 60 °C, away from direct sun light or other heat sources.