

LIQUID MEMBRANE WATERPROOFING MS

PRODUCT DESCRIPTION

LIQUID MEMBRANE WATERPROOFING MS liquid, one-component MS polymer coating that cures with atmospheric humidity to form a 100% waterproof, highly elastic, continuous membrane.

CHARACTERISTICS

- ✓ Resistant to weathering and U.V. rays.
- ✓ Excellent adhesion on various types of substrates
- ✓ Can be applied on damp surfaces
- ✓ Paintable after drying
- ✓ Is odourless and isocyanate free
- ✓ Non-corrosive when bonding to metal
- ✓ Permanent elasticity and excellent adhesion
- ✓ Interior and exterior use
- ✓ No shrinkage
- ✓ Remains flexible at low (-40°C) and high (+90°C) temperatures
- ✓ Ecological (no solvents or isocyanates)
- ✓ It is permeable to water vapour.
- ✓ Applicable on horizontal and vertical surfaces
- ✓ Transitable with use of reinforcing mesh between layers
- ✓ Easy to apply
- ✓ High performance 1.5 to 3.0 Kg/m²

TECHNICAL SPECIFICATIONS

Properties	Value	Standard
Composition	MS Polymer	-
Volumetry	1, 5 and 15Kg	
Available colours	White, grey, terracotta and black	
Aspect	Paste	
Density	1.43± 0.02 g/cm ³	UNE-EN ISO 2811-1-2002
Time of film formation (23° and 50% r.h.)	Approx. 60 minutes	
Total curing speed (23° and 50% r.h.)	7 days	
Application temperature	+5°C to +40°C	-
Hardness (Shore A)	30-40	DIN 53505
Resistance to traction	0.7 ± 0.1 MPa	UNE-EN ISO 527-3
Elongation at break	>400 %	UNE-EN ISO 527-3
Temperature resistance	-40°C to +90°C	-

Results tested in the laboratory.

CHEMICOAT

LIQUID MEMBRANE MS



APPLICATIONS

Specially formulated for waterproofing and repairs, with excellent adhesion to most substrates used in construction: cement, concrete, mortar, fibre cement, tiles, ceramics, brick, sheets, etc...

It can be used for waterproofing the following construction elements:

- Roofs, terraces and balconies covered with different materials (brick, mortar materials (brick, mortar, concrete, asphalt sheets, etc.).
- On vertical walls, to avoid water infiltrations.
- Plumbing and drains
- Repairing and filling joints and cracks;
- Repairing roof tiles and gutters.
- Joints in chimneys and skylights

METHOD OF APPLICATION

PREPARATION

- To achieve perfect adhesion to the substrate, surfaces must be clean and free of dust, grease, oils, pollution, oxides, etc. If necessary, degrease with alcohol, acetone or MEK.
- Surfaces must be smooth with no irregularities.
- Check compatibility with the substrates where it will be applied.

APPLICATION

- The application temperature must be between +5°C and +40°C.
- Mix the product well until the mixture is homogeneous, but without introducing too much air into the product.
- Apply directly with brush, roller or spatula (we recommend obtaining a film thickness between 1.4 and 2.0 mm). If applying in two coats wait at least 1 hour between them depending on the weather conditions.
- We recommend placing a reinforcing mesh between two coats of product so that the surface can be traversed. If the reinforcement mesh is not placed, the surface of the product is only visitable.
- Once the package has been opened, we recommend that it be completely used.
- The yield is 1.5 to 3.0 Kg/m² of product, approximately 1.4 mm thick, applied in 1, 2 or more coats.
- The curing process begins when it comes into contact with air humidity, this being done from the outside in.

CLEANING

- The tools can be cleaned, with solvante universal (e.g. acetone or alcohol) before the sealant cures. After curing, it can only be removed by mechanical action.

PAINTING

- Can be painted with most water based paints after full cure. Preliminary tests are required.

RESTRICTIONS OF USE

The product must not be diluted or mixed with other products;

Applications with less than the indicated thickness jeopardize the effectiveness of the product, not fulfilling its function;

Do not use in water tanks;

Do not place sharp objects on the treated areas;

Due to the great variety of possible substrates, a prior compatibility test is recommended.



SAFETY INFORMATION

For further information consult the safety data sheet.

STORAGE CONDITIONS AND SHELF LIFE

Store in a cool, dry, well-ventilated environment between +5°C and + 25°C, away from sources of heat and moisture. Shelf life 24 months if stored under recommended conditions, as expiry date may be shortened.

PACKAGING

SAP	ESPECIFICAÇÃO			EAN
CHC400100100001	CHEMICOAT WATERPROOFING MS 1KG	White	1	5604630141529
CHC400100500001	CHEMICOAT WATERPROOFING MS 5KG	White	1	5604630141536
CHC400101500001	CHEMICOAT WATERPROOFING MS 15KG	White	1	5604630141543
CHC400102500001	CHEMICOAT WATERPROOFING MS 25KG	White	1	5604630141550
CHC400100100002	CHEMICOAT WATERPROOFING MS 1KG	Grey	1	5604630141567
CHC400100500002	CHEMICOAT WATERPROOFING MS 5KG	Grey	1	5604630141574
CHC400101500002	CHEMICOAT WATERPROOFING MS 15KG	Grey	1	5604630141581
CHC400102500002	CHEMICOAT WATERPROOFING MS 25KG	Grey	1	5604630141598
CHC400100100003	CHEMICOAT WATERPROOFING MS 1KG	Black	1	5604630141604
CHC400100500003	CHEMICOAT WATERPROOFING MS 5KG	Black	1	5604630141611
CHC400101500003	CHEMICOAT WATERPROOFING MS 15KG	Black	1	5604630141628
CHC400102500003	CHEMICOAT WATERPROOFING MS 25KG	Black	1	5604630141635
CHC400100100004	CHEMICOAT WATERPROOFING MS 1KG	Terracota	1	5604630141642
CHC400100500004	CHEMICOAT WATERPROOFING MS 5KG	Terracota	1	5604630141659
CHC400101500004	CHEMICOAT WATERPROOFING MS 15KG	Terracota	1	5604630141666
CHC400102500004	CHEMICOAT WATERPROOFING MS 25KG	Terracota	1	5604630141666

Note: This technical data sheet cancels and replaces others previously issued for the same product. The technical information provided, verbally or in writing, is based on our current knowledge and is provided in good faith and supported by various laboratory tests. In view of the diversity of factors which may affect the product during use, as well as the various application techniques, the user is responsible for confirming and carrying out his/her own tests and experiments, whether the product is suitable for the process and type of use in question. For these reasons, any application of the product is effected under the sole responsibility of the user, and CHEMITOOL - LUSAVOUGA S.A. cannot be held liable for any loss or damage resulting directly or indirectly from the application. All features, specifications and product images are subject to change without notice.