



# PRODUCT INDEX

PRODUCED IN ITALY

<b>AMCA - B</b>	ACRYLIC ADDITIVE for mortar and cement adhesives
<b>AMCA - S-F</b>	ACRYLIC ADDITIVE with polyacrylonitrile fibers for mortar, concrete and cement adhesives
<b>AMCA - ELASTICO</b>	ADDITIVE for make continual, flexible damp proof sheaths, waterproofing of large basins
<b>FMNA</b>	ACRYLIC FIXATIVE for internal and external walls, plaster, foundations <b>BLUE IN COLOR for the removal of cement asbestos</b>
<b>AGE-CEM S</b>	ANTIFREEZE LIQUID ADDITIVE with accelerant and fluidity properties
<b>RADONSTOP</b>	PRODUCT IN THE FORM OF POWDER to be used in combination with AMCA-ELASTICO to fight against RADON GAS
<b>RASASTOP-X</b>	PRODUCT IN THE FORM OF POWDER for final plastering, acting as a shield to X-RAYS
<b>RMA - EL</b>	CEMENT WALL RECONSTRUCTOR to be used with AMCA-ELASTICO (liquid waterproof sheath)
<b>RMA</b>	CEMENT WALL RECONSTRUCTOR to be used with AMCA-B
<b>PICA</b>	WATERPROOFING CEMENT (WHITE)
<b>DSF</b>	FLUIDIFYING LIQUID for high resistant waterproof compact concrete. It is also possible to fluidify plaster
<b>IAPG</b>	ACRYLIC WATER BASED PAINT for the protection of bitumen sheath, cement e.t.c (GREY)
<b>API</b>	ACID to combat efflorescence in walls

**ALWAYS READ:**

**THE EXPIRY DATE AND THE SAFETY REGULATIONS**

## INFORMATIVE NOTE

All the S.C.M products show excellent results (tested over a long period in the laboratories) with twenty five years of experience to its name. It is impossible for mould to form. It must be noted that all our products suffer from frost so they should be kept at temperatures above +3 +5°C. A certain quantity of dispersive resins in water and additives can be found in the composition of all the range so it is advisable to utilize our products at temperatures above 10°C. The preparation of our products is studied so as to verify as low a presence of volatile substances as possible, below those cited in the Directive 2004 / 42 / CE for the year 2010.

## WARNING



- **FOR STORAGE PURPOSES PRODUCTS SHOULD NOT BE KEPT AT TEMPERATURES BELOW +3 +5°C.**
- **SHELF LIFE MORE THAN 36 MONTHS, 12 IN THE CASE OF CEMENT PRODUCTS.**
- **TO BE KEPT OUT OF REACH OF CHILDREN.**
- **WITH RESPECTS TO D.LGS. 626 / 94, ALWAYS FOLLOW INSTRUCTIONS ON THE LABEL.**
- **THE REGULATIONS REGARDING CEMENT ADDITIVES MUST BE APPLIED.**
- **UNDER NORMAL CONDITIONS THE USE OF PRODUCTS: FMNA, AMCA-B, AMCA-S-F, AMCA-ELASTICO, RADONSTOP, RASASTOP-X, IAPG, DO NOT PRESENT HEALTH RISKS TO PERSONS USING THE PRODUCT.**
- **ALWAYS FOLLOW INDICATIONS ON THE LABEL AND THE SAFETY CHART.**
- **ALWAYS USE SAFETY GOGGLES AND GLOVES.**
- **TO BE USE ONLY BY QUALIFIED PERSONS.**



**CHEMICAL PRODUCTS  
FOR THE BUILDING  
INDUSTRY**

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[www.scm dilchimica.com](http://www.scm dilchimica.com)



# AMCA - B

**ACRYLIC ADDITIVE**  
**for mortar and cement adhesives**

format:

1000 ml

5000 ml

10000 ml



## Characteristics and Applications

The additive in question is made up of acrylic resin, contributing adhesiveness to cement thus allowing it to patch up, plaster old -new areas and plaster over iron mesh. Waterproofness.

When used in particular proportions and mixed in large quantities, the cement becomes waterproof.

The carbonation of the cement is considerably reduced.

### WHERE APPLICABLE

- In the construction of reinforced concrete walls for underground or basement, swimming pools e.t.c.
- For mortars used to plaster walls that are old or damp.
- Excellent for jet plastering.
- Can be used with cement adhesive under tiles, carpet, parquets e.t.c. where it acts as a light automatic leveller.
- Doesn't rot, light accelerator and light fluidifier.

### HOW TO APPLY



- For plasterwork, wet the mixture with diluted product (1litre AMCA-B to 3 liters water) more for waterproofing of larger quantities, 4 - 6% of the cement weight with the possibility of dilution of up to 200% of the content in the drum.
- Vibrate the product with a combination of DSF will render the product compact and waterproof.
- The prepare mixture should be utilizes in the space of 30 - 40 minutes.
- The product should be stored and handled at temperatures above 8 - 10°C.
- P.s. = 1,01 — T.M.F. 8° C.
- Not inflammable.

### YIELD

3 ÷ 4% of the binder weight.  
Cement-plaster-chalk: 3 - 4 Kg for every 100 kg binder.



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# AMCA - S-F

**ACRYLIC ADDITIVE with polyacrylonitrile fibers for mortar, concrete and cement adhesives.**

format:

5000 ml

10000 ml



## Characteristics and Applications

Made up of acrylic resin and contributes excellent adhesion to cement where restoration work, plastering on iron mesh, excellent for jet plastering and waterproofs in all forms of use.

The addition of polyacrylonitrile fibers assigns a length of 6 mm eliminates or at least reduces considerably the event of cracking, and hairline cracks, allowing the mixture to be even more homogenous, resistant regarding compactness, waterproofing, retraction, resistance to compression, traction and carbonization.

The fibers are dispelled in the suspension in direct ratio of 5% (the quantity that permits you to carry out the work described above)  
It doesn't rot.

## WHERE APPLICABLE

- Can be applied in the formation of concrete foundation or adhesive concrete, strengthening the slab noticeably, where the area is subject to heavy passage of persons or trolleys.
- Reinforced mortar, plaster and concrete.

## HOW TO APPLY



- When forming plaster, dilute the product by 200% (1 litre to 2 liters of water), then "wet" the mixture. Before adding further dilute the product in the dilution water, in order to disperse the fibers better.
- When mixing in large quantities, add 4 - 6% of the product to the cement weight, allowing for the possibility a light dilution.
- AVOID OVER-VIBRATION.
- The prepared mixture should be used within 30 / 40 minutes.
- The product should be stored and handled at temperatures above 8 - 10°C.
- P.s. = 1,01 — T.M.F. 8° C.
- Not Inflammable.
- Shake before use.

## YIELD

4 - 6% of the binder weight.



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# AMCA - ELASTICO

## ADDITIVE

for make continual, flexible damp proof cement sheaths,  
waterproofing of large basins.

format:

5000 ml

20000 ml



## Characteristics and Applications

The product (AMCA-ELASTICO) is essentially made up of synthetic resin, and should be used in a combination with products RMA, RMA-EL and PICA.

The addition of RMA-EL or PICA in the ratio of 30 - 40% or greater, according to the density required, waterproofs the base creating a continual waterproof sheet that is resistant to UV rays.

## WHERE APPLICABLE

Carbonization of the supporting base does not take place. It waterproofs balconies terraces, and banking walls e.t.c. Even when the surface remains exposed, over flat surfaces, you can walk over it thanks to the products RMA, RMA-EL and PICA, that contain quartz. Suitable for the waterproofing of water basins.

IT IS ADVISABLE WHERE POSSIBLE TO PLACE A MESH OF SYNTHETIC FIBERS BETWEEN EACH LAYER.

Even if in the solid part fibers of polyacrylonitrile are present.

## HOW TO APPLY



— After having poured 3-5 litres of AMCA-ELASTICO into a container, add (shaking well) 8-10 kg RMA, RMA-EL or PICA, **so as to make sure all the components are mixed properly.**

— Apply the composition with a spatula, scrubbing brush, rare hair brush over the slab that has been dusted beforehand, treated with AMCA-ELASTICO, diluted in parts 1 - 3. After 2 - 4 hours distribute another layer in perpendicular direction.

— In the case of balconies, terraces, and concrete basins e.t.c, a fiber "mesh" is highly advisable.

— The prepared mixture should be used within 30 - 40 minutes.

The product should be stored and handled at above 5 - 6°C.

— P.s. = 1.02 — TMF 8° C. — Not Inflammable.

Follow the instructions given on the safety chart carefully!

Including those for RMA, RMA-EL and PICA!

In case of any doubt, don't hesitate contact our laboratories.

## COMPOSITION

Synthetic resins (sterol butadiene) additives. All chemical products must be kept out of reach of children.

## YIELD

**spatulate:** 1 ÷ 2 kg m<sup>2</sup> for every layer  
**Brush application:** 1 kg m<sup>2</sup> for each layer



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# FMNA

## ACRYLIC FIXATIVE

**for internal and external walls, plaster, foundations,  
Blue IN COLOR for the removal of cement asbestos**

format:

1000 ml

5000 ml

20000 ml



## Characteristics and Applications

*This fixative can be applied to all wall surfaces, before the application of water based paint or wallpapering.*

*Any crumbling on external walls must be eliminated through use of a spatula, steel brush .e.t.c.*

## WHERE APPLICABLE

*In its concentrated form it can be used as the base for tiles applied using cement adhesives.*

*For the removal of cement asbestos, use FMNA BLUE as is. (comes in the 20000 ml format).*

## HOW TO APPLY



— Dilute 2 parts of the product to 8 parts water.

— May be pigmented, it doesn't rot.

— Excellent adhesive qualities, high resistance to atmospheric agents and UV rays.

— The product should be stored and handled at temperatures above 7°C.

— Rapid drying depending on the surface being used. 2 - 8 hours

— Total polymerization 1 - 2 days

— P.s. = 1,01 — T.M.F. 6° C.

— Not Inflammable.

## YIELD

1 ÷ 2 litres / m<sup>2</sup>



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# AGE - CEM S

**ANTIFREEZE LIQUID ADDITIVE**  
*with accelerant and fluidity properties*

format:

5000 ml



## Characteristics and Applications

*This additive liquid can be utilized without any addition of other products  
It is absolutely chloride free.*

*The antifreeze effect is thanks to the presence of a substance that lowers the point  
at which water solidifies.*

*A further accelerating effect intervenes directly on the setting of the cement, while  
leaving the exothermic hardening reaction unaltered, on the contrary, if it is used  
adequately an increase in the resistance to compression can be obtained with a level  
waterproofness that doesn't alter the transpiration.*

*A reduction in the water/cement ratio takes place due to the fluidity of the product.  
However a certain amount of water can be added with caution.*

## WHERE APPLICABLE

*With the product in question, you have a cement mixture that is suitable in winter or  
in freezing conditions. (thus temperatures as low as -4 -6°C)*

*When mixed with particular substances, an excellent service finish can be obtained,  
along with resistance and waterproofness. The use of the product is not only confined  
to the winter months, in the case of particular requirements, (quick acceleration) it  
can be used also during the hotter months.*

*The results are clear from the visible quality of the finished product and electrochemical  
aggression (carbonization) is considerably reduced,  
with the addition of AMCA-B the conditions improve even further.*

**Carefully follow the instructions on the label**, as this product is aggressive on the  
skin and organic substances. It can irritate and is corrosive.  
*Always use suitable protective gear, gloves, goggles and clothing.*

## HOW TO APPLY



— The additive must be added in concurrence with the mixture of the waste  
water.

— During the winter months it's not advisable to use frozen or inert substances.

## YIELD

1% of the cement, lime, chalk weight. as much as 2% is also possible.



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# RADONSTOP

**Eliminates the problem of RADON GAS**

format:

25 kg



## Characteristics and Applications



This product has been specifically studied to eliminate the problem of RADON GAS, to be used as a continuous liquid sheath (can not be tread upon) and is obtained through a combination of A (RADONSTOP) and B (AMCA-ELASTICO)

The resulting membrane should be covered using RMA+AMCA ELASTICO, then with either tiles or floating pavement or both. The mixture should be applied over the floor or wall surfaces using SUITABLE TOOLS (Spatula e.t.c.) forming a sort of waterproof "Basin". The opaqueness of this membrane with respect to the  $\alpha$  (alpha) particles, means that they are unable to pass through the flooring, invading the room. The trials carried out on samples gave very comforting results.

The use of "RADONSTOP" on the walls of dental or medical studios, can reduce considerably or eliminate the passage of X-Rays, once the right thickness of membrane has been applied.

What we've just described goes to improving the quality of life. Investments in technology and research means our society is placed in a very high position when compared with our national competitors.

### WHERE APPLICABLE

- Waterproofing of cellars, ground floor habitations, basement conditions, and so on, wherever latent Radon gas is found or feared to be present.
- Waterproofing of balconies that are exposed to acid rain, water basins and terraces.

**The mixture is resistant to acid rain and other aggressive chemicals.**

### HOW TO APPLY

Mix RADONSTOP with AMCA ELASTICO, (non diluted form), by means of a whisk applied to a drill mixer or other similar tools in sufficient proportions so as to achieve a sufficiently dense liquid sheath. The best solution is to lay a layer of "sheath" 2,5 - 3 mm covered by a layer of cement (RMA+AMCA ELASTICO), inserting a fiber mesh with a fine net (5 x 5 mm).

### NOTES REGARDING RADON GAS

Radon gas was discovered by Friedrich Ernst Dorn in 1900, It is the result of the disintegration of RADIO, It seeps form the earth and is completely absent of smell or colour. It is impossible to quantify if not by using specific instruments.

Why block this substance? Each year in Italy (especially in North Lombardy) Many citizens discover they have lung cancer even though they are not smokers, and other too who that have never carried out jobs that carry a risk factor. The particles are inhaled by via of the pollen in the air; these settle in the lungs. (having an atomic weight of 222). And they remain there. The radioactive activity of these elements can lead to diseases.

### YIELD

1-2 Kg of the components A + B m<sup>2</sup>, forming a thickness of 2,5 - 3 mm. The elaborated RADONSTOP is produced and distributed by our company in completely recyclable containers, and is ready for use. you have just to add AMCA - ELASTICO ("A" + "B").

**The called part "A" is solid whilst part "B" is liquid.**

The operation can be carried out by persons not expert, but have the capacity to handle the product. It is essential that they follow the indications written above to the letter.



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# RASASTOP - X

**CEMENT MORTAR**  
*used as an X-RAY block*

format:

25 kg



## Characteristics and Applications

Cement mortar based on matt inert (**USED AS A BLOCK AGAINST X-RAYS**), in health environments, (medical and dental studios, e.t.c) - **ECOLOGICAL**.

This cement product is used just like a normal skim layer giving good results even if it produces quiet a thick layer. The polyacrilonitrile fibers, inserted into the product grant consistency to each individual layer applied. In the case where a complete block of X-RAY is required, a thickness of between 15 - 18 mm is necessary, this thickness provides a 1 mm layer of LEAD.

Once arrived at a thickness of 5-7 mm it's a good idea (during the layering stage) to insert a mesh of fine fibers (5 x 5 mm).

In order to obtain a greater consistency and adhesiveness disperse RASASTOP-X with AMCA - B Diluted 1 : 3.

**It is also possible to utilize both "RASASTOP-X" with "AMCA- ELASTICO". By mixing these two products, you get an elastic type cement suitable for use on balconies, terraces, water basins, that is however very resistant to atmospheric elements (acid rain) aggressive chemical agents.**

## WHERE APPLICABLE

Health environments, medical or dental studios, area exposed to aggression from acid substances - pollutive and atmospheric agents.

## HOW TO APPLY

The screeding system is identical to that use with "RMA EL - AMCA ELASTICO"; which proceeds as follows:

Mix "RASASTOP - X" with water or better still, "AMCA B" 1 : 3 (1 liter "AMCA - B" to 3 liters water).

Once a dispersion has been reached, (Through the aid of whisk applied to a drill mixer or other similar tools), it can be distributed over the receiving surface, which has been previously treated with primer "AMCA - B" diluted 1:1 (1 liter of water to 1 liter of "AMCA -B" the latter should not polymerize completely on the surface).

Once a layer of 1 - 2 mm or 5 - 7 mm has been laid, place a fine fiber mesh (5 x 5 mm); Cover with another layer of the "mixture" till a thickness of 15 - 18 mm has been obtained.

After 1 or 2 days it is possible to apply a protective covering (stick tiles, floating tiles, paint, e.t.c). Working in the above described manner you get a waterproof surface, resistant to human passage, pollutive and atmospheric agents; acid rain, aggressive cleaning products.



## YIELD

1 - 3 kg RASASTOP - X for every m<sup>2</sup>.  
If increases thickness, is necessary to act accordingly.



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# RMA - EL / RMA

## CEMENT WALL RECONSTRUCTOR

format:

10 kg



### Characteristics and Applications

This product is used in the reconstruction of architectural details, sharp corners, covering of exposed iron, walls suffering from carbonization, from sulphate, and general restoration. The material is formulated so as to guarantee excellent durability and workability.

### PREPARATION OF THE RECEIVING SURFACE

- Clean the receiving surface, getting rid of all loose bits.
- Wet the wall with "AMCA - B" or "AMCA - ELASTICO" diluted 1 - 3 and consequently start applying the product.
- Any iron work protruding from the cement must be treated with anti rust.
- It is possible to apply plaster or paint work e.t.c, once 48 / 72 hours have passed from the moment of restoration. (taking into account climatic conditions).

### HOW TO APPLY

- Pour the quantity desired into a basin or large bowl e.t.c, add the mixture got from "AMCA - B" + water (1 - 3) (or else simply just water).
- For continuous liquid sheaths use RMA - EL with AMCA - ELASTICO as is.
- Wet the receiving surface with "AMCA - B" / water 1 - 3.
- Apply with a spatula, trowel, e.t.c.
- The "setting time" is referred to the "setting" of cement.

### COMPOSITION

CEMENT, QUARTZ, RESINS, ADDITIVES.  
For RMA - EL, quartz with less granulometry to be used with AMCA - ELASTICO.

### RISK FACTORS (R)

- R36 / 37 / 38 - irritating to the eyes, lungs and skin.
- R43- provoke sensitization when in contact with the skin. (Chromo VI).

### TIPS OF CAUTION (S)

- S2 - Keep out of reach of children.
- S22 - Do not breath in the powder.
- S24 / 25 - Avoid contact with eyes or skin.
- S26 - In the case of contact with eyes, wash abundantly with water immediately and consult your doctor.
- S36 / 37 - Use protective clothing and the right gloves.
- S46 - In case of ingestion, consult your doctor immediately and show him the container and label.



### YIELD

Depends on the type of work being carried out



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# PICA

## WATERPROOFING CEMENT (White)

format:

10 kg



### Characteristics and Applications

This product is used for permeable walls, which allow humidity to pass after a period of heavy rain.

### WHERE TO APPLY

Used primarily for basement wall and underground car parks e.t.c.  
It may also be utilized on new walls banking against ground, where waterproofing is desired on the external surface.  
The material lasts very well and offers absolute waterproofness, exceptional adhesion and it doesn't rot.  
In the case where you wish to improve the already high standard you need to add "AMCA - B" diluted 1:2 / 1:3 and wet the product.

### HOW TO APPLY

- Pour the quantity desired into a basin or large bowl e.t.c, wet with water (OR BETTER STILL WITH DILUTED "AMCA - B"), in the proportions 1 kg - 250 ml of water or otherwise "AMCA - B" so as to get a consistent mixture that can be brushed on.
- Use a hard rare haired brush.
- Apply two layers in perpendicular directions.
- If there are still streamlet of water or after a heavy rainfall, it is best to wait till this phenomenon passes and then apply the product.

### PREPARING THE WALL

- Clean the wall perfectly (removing pieces that come away).
- If the wall is dry, you need to wet it with water or with diluted "AMCA - B". Then begin application. In presence of release agent brush energetically with a steel brush.
- Setting time: as with cement.

### RISK FACTORS (R)

- R36 / 37 / 38 - irritating to the eyes, lungs and skin.

### TIPS OF CAUTION (S)

- S2 - Keep out of reach of children.
- S22 - Do not breath in the powder.
- S24 / 25 - Avoid contact with eyes or skin.
- S26 - In the case of contact with eyes, wash abundantly with water immediately and consult your doctor.
- 36 / 37 - Use protective clothing and the right gloves.
- S46 - In case of ingestion, consult your doctor immediately and show him the container and label.



### YIELD

1 ÷ 2 kg per m<sup>2</sup> or there about.



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# DSF

## FLUIDIFYING LIQUID

for high resistant waterproof compact concrete. It is also possible to fluidify plaster.

format:

5000 ml

20000 ml



## Characteristics and Applications

DSF is an additive made up of sulphone polymers, soluble in water and other additives. It doesn't alter the setting times of cement.

The fluidification effect can be summarized as follows: the molecule of the product, being negative charge, once it comes in contact with the cement particles create a repulsive effect, allowing the electrostatic movement of all the particles.

## WHERE TO APPLY

DSF is used to fluidify the dispersion of solids in watery systems, and is efficient both in acid and basic environments.

DSF is mainly used to manufacture rioplastic concrete containing a very low WATER - CEMENT ratio, in so doing increasing the resistance, and compactness of the manufactured product to compression.

## HOW TO APPLY



After having mixed SAND - CEMENT and a part of the dilution WATER (around 20% of the total amount to be added) you are left with a rather "dry" homogenous mixture.

At this point, insert DSF continuing to mix for a maximum of 3 - 5 minutes, adding further water if necessary to obtain the desired workability.

After about 2 minutes, the cement is ready for use.

It is advisable, in order to obtain the best results of the manufactured slab, to VIBRATE THE CONCRETE. DSF is compatible with all types of cements certainly with a "PORTLAND 525", you can be sure of optimum results.

It is possible to use DSF additive along with another additive in our range "AMCA - B", in the case where a greater adhesion and waterproofness in the concrete mix is required.

P.s. = 1,2 - To be maintained at temperatures above +5°C.

**Stir before use.**

## COMPOSITION

Water, synthetic resins (Sodium sulphone ) additives.

## DOSAGES

The addition of DSF to the mixture (sand and cement) is measured between 0,3 - 0,6 % to cement weight.

## YIELD

1 - 2 litres m<sup>3</sup> per mixture.

**Under normal conditions the product DSF DOES NOT PRESENT RISKS TO YOUR HEALTH OF ITS USERS. Always consult the safety chart!**



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# IAPG

**WATER BASED ACRYLIC PAINT**  
**for the protection of bitumen sheath, cement e.t.c.**

format:

10000 ml - kg 16



## Characteristics and Applications

*This water based paint protects and assures the bitumen sheath, cement coverings in general and roof light over time.  
Colours available; grey cement, titanium opaque white upon request.*

## WHERE TO APPLY

*Coverings that are constantly exposed to sunlight, and having a tar or cement derivative, tend to deteriorate naturally over time.  
The paint is excellent at refracting the sun rays.  
The fact that this product has high adhesive qualities and the impossibility for mould to form make this water based paint an ideal ally for the durability of your terrace.  
Quartz sand present in the formulation, allows for moderate "stamping" resistance on terraces with bitumen sheathing.  
A further important utility of this product is for horizontal markings, (roads, garages, e.t.c) thanks to the fact that this paint can be spray applied without solvents.*

## HOW TO APPLY



- Clean the area to be painted well, apply at least two layers (always wait 2 hours between one layer and the next).
- Store and use in temperatures above 10°C.
- If the mixture appears to be too dense, dilute with 1 - 2% of water.
- P.s. = 1,6 - T.M.F 9° C.
- Stir before use.
- Non inflammable.

## YIELD

1 ÷ 3 litres m<sup>2</sup>



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# API

## ACID

**combat efflorescence in walls.**

format:

1000 ml

5000 ml



## Characteristics and Applications

Ready to use acid.

Is applicable directly on walls to eliminate efflorescence.

### WHEN TO APPLY

On walls where capillary humidity is present ,alternate to dry periodes.

API proposes to lower the level of efflorescence to acceptable levels.

Furthermore the low danger factor and the ease of application means this product is ideal for restoration purposes.

### HOW TO APPLY

— **Follow the indications on the label! Use exactly as is.**

### RISK FACTORS (R)

- R36 - irritable to the eyes.
- R38 - Irritable to the skin.

### TIPS OF CAUTION (S)



- S2 - keep out of reach of children.
- S26 - in case of contact with eyes, wash immediately with abundant water and consult your doctor.
- S28 - in case of contact with skin, wash immediately with abundant soap and water.

### PREPARATION OF WALL SURFACE

— The surface must be perfectly cleaned using a steel brush, then apply the acid using a brush, leave to react 30 min then rinse with water and continue restoration.

### COMPOSITION

Water, organic acid (sulfammic), additives.

### YIELD

1 ÷ 1,5 litres 10 m<sup>2</sup>

### CASE HISTORY

5329-14-16 — N. CEE 016-026-00-0



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