

# TECHNICAL INFORMATION

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- SUBERITE
- ELASTOL AW
- ISOLFIX WS
- ANCORFIX D20
- ANCORFIX AB



## **TECHNICAL INFORMATION (ENGLISH)**

# **SUBERITE**

***External and internal smoother-paint, elastic, breathable, waterproofing, thermal, ecological, cork and water resin based.***

### **USES:**

To decorate façade, to de-humidify and paint internal wall, antislip stairs, pavement of swimming pool, to coat and waterproof terraces,

### **YIELD:**

- Façades: 0,9 – 1,2 kg/mq.
- Waterproofing of flat surfaces 1,5-2 Kg/mq.

### **STORAGE:**

- Keep the product in shady environments with temperature between +5°C and +35°C
- Time of storing 12 months

### **WAY OF USE:**

- Add 5%-20% of water (it depends on the way of application and environmental conditions),
- Add eventually toner (if it is desired to colour it as indicated in the colour list),
- Mix perfectly and uniformly at least 2-3 minutes, by a drill having a helicoidal bit until the Suberite increases in volume.
- Clean perfectly the surface and restore all damaged parts of the support. Delete any water stagnation. The Surface to be treated must be perfectly clean and solid.
- Apply 2 crossed coats with spatula or spray-gun or fastflow machine. If the first coat is applied with spatula, Suberite can be used as smoother.

### **POINTERS:**

Vertical applications: protect from rain for at least 2 hours with a temperature of +20°C.

Horizontal applications: protect from rain for at least 24 hours with a temperature of + 20°C.

On reinforced-concrete surfaces it is advised the use of an universal fixative (Ancorfix AB) to improve the adhesion

Apply the product on dry surfaces.

Do not apply below + 5°C

The not used product must be kept inside its original packaging given by the producer.

The equipment can be wash with water.

Use safety devices

### **ADHERENCE:**

Suberite has a good anchorage in a lot of materials: plasters (not gypsum based), cement, glass, aluminium, PVC, wood. Existing several materials and with different compositions it is necessary all times, a preliminary anchorage-test and eventually apply a primer to improve the adhesion. For any doubt, please contact our technical office.



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**TECHNICAL SPECIFICATION:**

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|                        |                      |
|------------------------|----------------------|
| Aspect                 | Dense paste          |
| Solid content          | 78 %                 |
| pH                     | 7,2                  |
| Specific gravity       | 0,770 kg / lt + - 20 |
| Resistance to sea salt | excellent            |
| Resistance to UV-rays  | excellent            |
| Elasticity             | 51,59%               |
| Waterproof             | 0,2 bar              |

**CERTIFICATIONS**

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Suberite is produced with Certified Quality System ISO 9001:2000 and Certified Environmental System 14001:2004

| <b>TEST</b>                                 | <b>REGULATION</b>  | <b>RESULT</b>                           |
|---|--------------------|---|
| Water vapor transmission rate test          | UNI EN ISO 7783-1  | 72,1g/mq a day                          |
| Water vapor transmission capacity test      | UNI EN 12086       | G=186mg/h $\mu$ =23                     |
| Waterproofness of plastic covering          | UNI 8307           | Waterproof                              |
| Slip resistance test                        | UNI 8272 parte 11° | $\mu$ =1,53 level 4                     |
| Volumic mass determination test             | UNI EN 323         | Kg/m <sup>3</sup> =536                  |
| Resistance to cold liquids                  | EN 12720           | Acetone 2 min, Ammonia 10 min           |
| Resistance to cylindrical mandrel bend test | UNI EN 1519        | 22°C Ø=0, 0°C Ø=4mm -20°C Ø=27mm        |
| Humidity determination test                 | UNI EN 322         | Relative humidity=2,99%                 |
| Longitudinal traction                       | ISO 3345           | Q <sub>w</sub> =0,26, Elasticity=51,59% |
| Resistance to accelerated ageing test       | UNI EN ISO 11507   | No degradation                          |
| Resistance to extremes of temperature       | UNI 9429           | Without defects between -28°C e 82°C    |
| Extremes of temperature with salt solution  | UNI 9429           | Without defects between -28°C e 82°C    |
| Conductivity coefficient                    | UNI 7745           | 0,026 W/m°C                             |
| Water absorption coefficient                | EN 927-5           | Absorption=166g/mq                      |
| Impact strength test                        | CERTO              | m=1kg, Ø=2cm, h=50cm No damage.         |
| Resistance to fungi                         | CERTO              | No fungus in the surface                |
| Trampling test                              | CERTO              | After 6000 times mass loss=2,75mg       |

**WARNINGS:**

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Being the cork for its nature a tannic substance, using various cork could condition the uniformity of the colour, it is advised therefore to always use the same production-lottery or mix each other or put a toner to obtain an uniform colour. It is advised moreover to use the natural Suberite always with toner on jobs in backwater environment or with high relative humidity to avoid whitening pf the product..

**PRECAUTIONS**

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Keep away from children.  
To exclusively professional use.  
Before the use read carefully the technical information.  
Adopt all safety mesaures.



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**ECOLOGICAL INFORMATION:**

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Adopt all necessary measures to avoid that the product not released into the environment

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*Specifications sheet updated: 15/04/2008*



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## **TECHNICAL INFORMATION (ENGLISH)**

# **ELASTOL**

### **Elastomeric liquid membrane, for all environmental stress**

Liquid, cement, bi-component waterproofing membrane, water-based, formulated with acrylic resin and cement, to be used during winter period with low temperature. Resistant to standing water, to low temperatures. Suitable for waterproofing terraces, flat roofs, walkable, swimming pool, cisterns, foundation, expansion joints and to restore old bituminous membranes (coupling with Suberite)

### **ADVANTAGES**

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- Fast application
- Applicable on existing flooring
- Effective on damaged surfaces
- Tiles can be applied directly onto Elastol with a good external adhesive.
- It can be made suitable for pedestrians with Suberite
- It can be applied during winter (until + 5°C).
- No problem with rain when dry on surface (between 30 and 180 minutes)

### **USES**

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Waterproofing of terraces, balconies, flat roofs, sloping roofs, pipes, cisterns, pools.  
It can be applied reinforced with net (supplemented system) or not reinforced depending on the use and the extension of the surface to treat.

### **YIELD**

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Kg/Mq 2,0 - Kg/Mq 2,5 (supplemented system)

### **STORAGE**

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Keep the product in dark environment with temperature between +5°C. and +35°C  
Storage time: 12 months

### **APPLICATION**

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1. Clean the surface and restore with cement any holes.
2. Add to B component a 10% of water mixing well the paste, Then add gradually the B component in the pail with Part A mixing with power drill for about 3-5 minutes till obtain an well-blended paste and without grumes.
3. In case of surface made of old tiles, humid or needing of reinforcement, apply a Isolfix coat.
4. Spread the net on the surface, taking care maintaining a 3 cm overlap on the joints. The net must not show brown coat or blisters
5. Apply two coat of Elastol directly on the net by brush, roller or water-spray spatula, until net' total covering.



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**TECHNICAL PHYSICAL DATA**

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|   |  |
|---|--|
| Aspect:   | semi-dense                             |
| Solid content   | 74%                                    |
| Specific gravity  | 1,230 Kg/Lt                            |
| Waterproofing   | 7 bar (waterproof)                     |
| Punching resistance   | 7Kg =68,7N (resistant)                 |
| Resistance to UV rays   | 600 hours (without remarkable changes) |
| Elongation after 1000 hours of accelerated weathering                           | 95%                                    |
| Elongation at 25°C  | 153%                                   |
| Flexibility with cold   | - 20°C (flexible)                      |
| Maximum time of premixed product application (A+B)                              | 2 hours                                |
| Resistance after 50 cycles of freezing/defrosting (-15°C / + 15°C) (UNI EN 202) | Inaltered                              |

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**COLOUR**

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Green-Grey

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**PACKAGING**

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N.2 pails of Kg 25 (Part A = kg 17 + Part B = Kg 8)

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**POINTERS**

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- Do not apply with temperature lower than + 5°C and higher than + 35°C.
- During hot seasons, do not expose the components to sun rays(part A and part B) before using
- Surface must be dry
- Do not add to Elastol any other kind of cement
- Wash the equipment with water.
- During the working, use personal protection means
- Do not apply with lot of fog and relative humidity higher than 90%.

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**ECOLOGICAL INFORMATION:**

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Specifications sheet updated: 19/09/2006



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## **TECHNICAL INFORMATION (ENGLISH)**

# **ISOLFIX**

### **Epoxy-cement waterproofing coating (water and anti-salt barrier)**

Multipurpose epoxy-cement waterproofing coating. It is formulated with a special epoxy resin (Part A), a catalyst (Part B) and special cement (Part C).

#### **ADVANTAGES:**

- Do-it-yourself (in case of mild humidity in foundations)
- Multipurpose
- Resistance up to 3 atm of negative counterthrust pressure
- Resistance up to 9 atm of positive pressure

#### **USES:**

- It acts as an osmotic cement when used to restore humid walls, as anti-salt barrier in the dehumidification system (consult our technical office for information on the anti-humidity system)
- It acts as waterproofing coating to eliminate water infiltrations both with negative counterthrust (up to 3 atm of pressure) and with positive pressure, to seal canalisations, elevators pit, floors.
- To prevent rising humidity on the external walls in contact with pavements, garages, etc.
- To waterproof underground foundations and floors with an high level of humidity
- It can be applied by brush, roller or spray.

#### **MORTAR SETTING:**

The surface must to be prepared in a suitable way.

The base must be solid, mechanically resistant, perfectly clean, dry on surface and without fragmented parts. In case of new cement base, this must be fully set and stable.

Old clay or marble-chip floor tile floorings, must be attached to the base without traces of substances, such as oils, wax, etc

Remove the three components from the bucket:

1. Open the epoxy mortar and pour it in the bucket.
2. Open the cement, pour it in the bucket and mix it.
3. Open the catalyst, pour it in the bucket and mix all the paste very well.
4. Add water in the amount of:  
20 % of ISOLFIX if applied by brush.  
40 % of ISOLFIX if applied by paint brush.  
70 % of ISOLFIX if applied as primer.



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## APPLICATION AS ANTI-SALT OSMOTIC CEMENT

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If applied as anti-salt osmotic cement to humid walls restoring:

- 1.The surface to treat must have a floor height of 30 cm beyond the maximum humidity limit.
- 2.Prepare the surface perfectly, eliminating old painting, friable parts, grease, oils, chemical products, cement flakes. In case of friable surface you must take the flash off for about 1 or 2 mm
- 3.Before applying ISOLFIX, wet the surface with a sponge soaked in water to remove the dust. Apply with brush a ISOLFIX coat, assuring the total covering of the surface. Apply, if necessary, a cement smoother as putty.
- 4.Paint the surface 48 hours after the smoother application.
- 5.Application of ISOLFIX as waterproofing coating for toilets, showers, basins. Tiles can be glued directly onto Isolfix within 2 days.

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## TECHNICAL DATA

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|   |                                       |
|---|---------------------------------------|
| Aspect  | White semi-liquid                     |
| pH  | 1,45                                  |
| Specific gravity  | 1,70                                  |
| Application temperature                                   | +5°C / 40°C                           |
| Resistance to salt:                                       | excellent                             |
| Resistance to solvents:                                   | not resistant                         |
| Resistance to organic acids:                              | not resistant                         |
| Paste lasting:  | 2 hours at +20°C                      |
| Resistance to weathering test                             | 2000 hours without remarkable changes |
| Resistance up to 3 atm of negative counterthrust pressure |                                       |
| Resistance up to 9 atm of positive pressure               |                                       |

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## YIELD

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Kg/Mq 1-1,2 as osmotic  
Kg/mq 2-2,5 as waterproofing

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## PACKAGING

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Plastic pail of 10 Kg

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## STORAGE

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Keep the product in a dark environment with temperatures between +5°C and +35°C

Use by:12 months

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## ECOLOGICAL INFORMATION:

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## **TECHNICAL INFORMATION (ENGLISH)**

# **ANCORFIX D20**

**Primer made up of water acrylic resin**

### **USES**

Reinforcement of surfaces made up of cement systems old paintings

### **TECHNICAL DATA**

|                |              |
|----------------|--------------|
| Aspect:        | white liquid |
| Solid content  | 10%          |
| Inflammability | inflammable  |
| Odour:         | acrylate     |

### **YIELD**

Mq/Lt 6-8

### **PACKAGING**

Pail of Lt 5 or Lt 25

### **STORAGE**

Keep the product in environments with temperature higher than 0°C  
Storage time: 24 months

### **APPLICATION**

By roller, brush or airless.

### **INDICATIONS**

- Do not apply with temperatures lower than +5°C and higher than +35°C.
- During the working use personal protection means

### **ECOLOGICAL INFORMATION:**

Adopt all necessary measures to avoid that the product not released into the environment

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## **TECHNICAL INFORMATION (ENGLISH)**

# **ANCORFIX AB**

**Breathable fixing primer made up of water acrylic resin with granular aggregates. Its dry film gives a good adherence also on smooth also on smooth or waterproof mineral bases.**

### **USES**

Improves the anchorage onto any smooth surface (wood, gypsum, metal, ceramica, etc.) plasters, smoothers and restoring mortars.

It can be applied both inside and outside, onto prefabricated cement and plasterboard panels, onto already painted or soaked surfaces.

### **YIELD**

Depending on the absorption level of the base 6-8 sqm/l

### **PACKAGING**

Plastic pail kg 5 and kg 20

### **STORAGE**

Keep the product in environments with temperature between +5°C and +35°C

Storage time: 12 months

### **TECHNICAL DATA**

|  |                 |
|--|-----------------|
| Colour                                 | Water green     |
| Aspect:                                | semi-dense      |
| Drying time at +15°C                   | 30 minutes      |
| Working time                           | +5 °C / +35 °C  |
| Tear resistance (plaster)              | 700 N/m         |
| Resistance to 1000 hours of weathering | No changes      |
| Fire resistance                        | Not inflammable |

### **APPLICATION**

Clean up the surface to cover, removing any detached or fragmented parts.

Dilute Ancorfix with at most 5% water, depending on the absorbing power of the base.

Apply one or two coat of Ancorfix by brush or roller on the whole surface to plaster

Apply Suberite when Ancorfix is completely dry.



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## POINTERS

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- Apply onto dry surfaces.
- Do not apply with temperature lower than +5°C and higher than + 35°C
- Wait for the product to dry completely before applying the plaster.
- Wash tools with water.
- Do not wet the surface treated, before applying the plaster.

## SAFETY AND ECOLOGICAL INFORMATION:

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Wear protective clothing when handling the product.

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