



# TECHNICALLY ADVANCED INSULATION



# THE CHEAPEST ENERGY IS THE ENERGY YOU DON'T USE

# WE DEVELOP NEW STANDARDS IN ORDER TO CREATE A BETTER ENVIRONMENT

For the most part, building materials have not changed for many years. Only recently has this industry begun its modernization and technological development which has created a need for revolutionary Suberlev products.



#### **Suberley Products**

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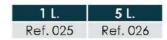
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# **FUNGILEV**

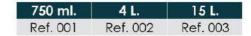




**Fungicidal wash** kills bacteria and quickly removes mould, algae, lichen and fungal growth. Ideal for general maintenance and prior to applying surface coatings, e.g., paint, sprayed cork, etc.

Coverage	Approximately 0,15 L/m².
Application method	Apply by brush, roller or use a paint sprayer, one or two coats depending on how badly the area is infested.

# SUBER-FIX





**Acrylic bonding primer** has been designed as a deep penetrating sealing product which may be used on facades and roofs. Our **nanotechnology-based** primer is suitable for lime, plaster, cement surfaces, etc. It has great adhesion properties.

Drying time	1-2 hours.
Recoat time	3-4 hours.
Coverage	$0.04  \text{L/m}^2$ (4L = $100  \text{m}^2$ ; $15  \text{L} = 375  \text{m}^2$ ). Coverage is dependent on the nature of the surface being painted.
Thinning	1:4 (1 part product to 4 parts water),





# SUBER-OXID



2,5 L.	15 L.	
Ref. A336	Ref. A337	



Water based primer 3 in 1 is a multi-purpose protective metal coating which can be applied directly onto rusty metal, as it converts rust to a neutral surface; it also acts as an antioxidant and a rust-inhibitor providing extra corrosion protection and preventing both flash-rust and atmospheric corrosion. Besides, Suber-Oxid is an easy-to-apply, low-odour product.

Coverage	0,40 L/m².
Drying time	2-3 hours.



#### 750 ml. Ref. A358 Ref. 024

# ANTI-GRAFFITI NANOTECHNOLOGY

Our anti-graffiti coating will help you protect the surface from unwanted graffiti vandalism. It is effective against various types of graffiti media including permanent marker pen and spray paint. It also prevents animal urine from penetrating and staining the underlying surface.

Anti-graffiti coating works by creating a water-resistant clear coat barrier over the surface being protected. Thus, graffiti washes away easily with hot water and a stiff fibre brush (we recommend using a high-pressure washer).

The coating doesn't change the appearance of the surface. A one coat application is sufficient to afford protection. (However, once the graffiti is

0,30 - 0,40 L/m<sup>2</sup>.

removed it's recommended to reapply the product to restore the graffiti barrier).





Coverage





#### 15 L 4 L. Ref. 016 Ref. 017

# RESIN FOR BOUND AGGREGATE

Methacrylate resin binds together aggregates and decorative stones to form walkways and footpaths. Resin bound and resin bonded systems are excellent surfacing solutions for parks and gardens. Moreover, resin bound gravel tree pits offer a water permeable surface designed to allow water and air to reach tree roots.

Application method	Apply by spray gun or knead the resin with aggregates.
Coverage	6-8 L. of resin for 100-125 kg of arid.
Drying time: Touch dry	8-12 hours.
Drying time: Hard dry	24-48 hours.











# PU PRIMER + PU MEMBRANE

750 ml.	4 L.	15 L.
Ref. 004	Ref. 005	Ref. 006



#### FOR PROFESSIONAL USE ONLY

**Water-based** primer which can bond a polyurethane membrane to porous and other hard-to-bond substrates.

Coverage





4 L.	15 L.	
Ref. 010	Ref. 011	

0,15 - 0,20 L/m<sup>2</sup>.



AIDICO
INSTITUTO TECNOLÓGICO
DE LA CONSTRUCCIÓN

Certified by AIDICO in accordance with the adherence standard EN 1542 and the waterproofing standard EN 1062 **Liquid** polyurethane **membrane** is a high-quality **single-component** water-based membrane for the protection and waterproofing of terraces, roofs, pedestrian zones and other places where it's necessary to prevent water leak damage. It cures to give a seamless, tough, durable, waterproof coating.

Coverage	On roofs or terraces apply from 1,2 to 2,2 L/m². A minimum of 2 o 3 coats is recommended.	
Drying time: Touch dry	6-8 hours.	
Recoat time	10-12 hours.	
Colour	White, grey, red or green. More colours available on request.	

# **ACRYLIC WATERPROOFING MEMBRANE**

4 L.	15 L.
Ref. 012	Ref. 013



**Flexible waterproofing** membrane is suitable for use on terraces, roofs, walls and places where it's necessary to prevent water leak damage. It cures to give a seamless, tough, durable, waterproof coating.

Coverage	On facades apply $0.75  \text{L/m}^2$ . On terraces apply from $1.2  \text{to}  1.8  \text{L/m}^2$ .	
Drying time	2-4 hours.	
Recoat time	8-12 hours.	
Colour	Transparent.	



4 L.	15 L.
Ref. 014	Ref. 015

# **CONCRETE SEALER I**

Our concrete sealer made on the basis of **acrylic and methacrylate resins** is suitable for horizontal surfaces that either have a waterproofing coating or are painted with plastic paint. It can also be applied to micro cement and stamped concrete surfaces. Ideal for use in high traffic areas. The product can be thinned by 25% maximum.

Coverage	0,15 - 0,30 L/m².	
Drying time: Touch dry	2-3 hours.	





4 L.	15 L.	
Ref. 018	Ref. 019	

# ARTIFICIAL STONE SEALER

Water based sealer **for use on facades**, **artificial stone tiles**, single-coat mortar and natural stones. It protects the surface and makes it water-repellent.







# WATER-REPELLENT INVISIBLE SEALER

750 ml.	4 L.	15 L.
Ref. 020	Ref. 021	Ref. 022

**Siloxane-based water-repellent** sealer is for use on street-facing facades, single-coat mortar or natural stone. It provides a water-repellent transparent finish.

Coverage	0,15 - 0,30 L/m².
Drying time: Touch dry	2-3 hours.







# THERMO-PAINT SHIELD

# THERMO-INTERIORS



750 mL	4 L.	15 L.
Ref. A230	Ref. 029	Ref. 030



GREEN PRODUCT. LOW ODOUR NON-DRIP PAINT SMOOTH FINISH



High-quality interior insulating paint of low thermal conductivity. It is made up of **hollow nanospheres** and heat reflective **nanotechnology-based** pigments. Insulating paint is a great energy-saving solution as it reduces the amount of heat that transfers through the walls. All this makes this paint suitable for both hot and cold climates.

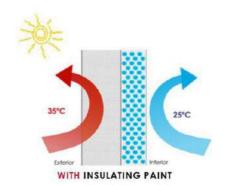
Another advantage of this paint is that it has a **sound-absorbing** effect. It's a perfect **thermal insulation** and **anti-condensation** coating.



Colour	White, colour chart of 400 colours or NCS colour chart.
Finish	Matte.
Thinner	Water.
Drying time	1 hour (20° C and 60% H.R.).
Recoat time	4-6 hours (20° C and 60% H.R.).
Coverage	Recommended minimum coverage is 350 ml/m².
VOC	Cat. a/BA 75/30 (2007/2010): 0,16 g/L.
Washability	Class 2.
Application method	Apply by brush, roller or suitable spray gun.

<sup>\*</sup> Paint can be specified in a wide range of tinted colours.







THERMAL PAINT PREVENTS HEAT FROM TRANSFERRING THROUGH IT AND REDUCES ENERGY LOSS



Certified by AIDICO in accordance with the standard UNE-EN 7783/2. Reaction to fire UNE 23727:90. Sound absorption coefficient UNE-EN ISO 354:2004 LGAI Technological Center

	750 ml							
							1000	
+4 L white		806						
+15 L white								

Pef 031 Pef 032 Pef 033 Pef 034 Pef 035 Pef 034 Pef 037 Pef 03



**4** L. **15** L. Ref. 043



# THERMO-INTERIORS ANTI-BACTERIAS

GREEN PRODUCT. LOW ODOUR NON-DRIP PAINT SMOOTH FINISH



Interior insulating plastic paint which kills bacteria.

Acrylic copolymer emulsion is a water-based dispersion emulsion with nano-structured additives. It offers antibacterial protection as it is enhanced through the use of the **silver ion** technology which inhibits mould growth and prevents bacteria from multiplying.

This hygiene coating is really white, low odour and easy to apply. These characteristics make it ideal for use in commercial centres, hospitals, nursing homes, hotels, kindergartens, schools and other public institutions.









#0000 C	SAISS)	SAUG-
250 ml.	1 L.	5 L.
Ref. A340	Ref. A339	Ref. A341

**Next-generation** disinfectant which contains **silver ions** and **quaternary ammonium** compounds. It is suitable for use on all types of metallic or varnished surfaces (such as stair rails, doorknobs, handles, roasting pans, pieces of furniture, doors, tables, etc.), it can also be used to disinfect clothes and tools. Moreover, Bactilev helps to protect people from possible infection after contact with animals.















# THERMO-PAINT SHIELD

# THERMO-FACADES



750 ml.	4 L.	15 L.
Ref. 039	Ref. 040	Ref. 041



High-quality exterior insulating paint of low thermal conductivity. It is made of **hollow nanospheres and heat reflective nanotechnology-based** pigments. Insulating paint is a great energy-saving solution as it reduces the amount of heat that transfers through the walls. All this makes this paint suitable for both hot and cold climates.

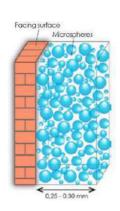
Another advantage of this paint is that it has a **sound-absorbing** effect. It's an ideal **thermal insulation** and **anti-condensation** coating.

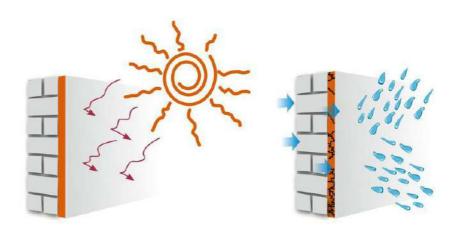


Certified by AIDICO in accordance with the standard "UNE-EN 7783/2.
Reaction to fire UNE 23727:90. Sound absorption coefficient UNE-EN ISO 354:2004 LGAI Technological Center

Colour	Blanco, Carta 400 colours o Carta NCS.
Finish	Matte.
Thinner	Water.
Drying time	1 hour (20° C and 60% H.R.).
Recoat time	4-6 hours (20° C and 60% H.R.).
Coverage	Recommended minimum coverage is 350 ml/m².
VOC	Cat. a/BA 75/30 (2007/2010):0,16 g/L.
Washability	Class 2.
Application method	Apply by brush, roller or suitable spray gun.

 $<sup>\</sup>ensuremath{^{*}}$  Paint can be specified in a wide range of finted colours.













**4** L. **15** L. Ref. 045



# THERMO-FACADES ANTI-INSECTS

#### NATURAL PRODUCT EUCALYPTUS OIL BASED NON-TOXIC

Insulating paint that **repels** all types of **insects and mites**. Its innovative polymeric microcapsule-based technology allows for a slow release of insect and mite repellents, as well as insect growth regulators. It's **non-toxic** and has a long-lasting effect.

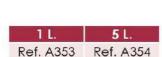
**Insect repellent paint** helps control pests in healthcare facilities, veterinary centres and food factories. It's very effective against all types of insects. It's a perfect solution for the places that may potentially suffer from insect infestation, e.g., inside and outside houses, offices, health centres, schools, etc.







Repels insects, releasing natural substances derived from essential oils.



Complementary product that is meant to be used together with the floor or wall cleaner of your choice in order to enhance its insect repellent properties. Mosquilev is composed of citriodiol, citronella and natural essences.









# THERMO-ROOFS SHIELD







4 L.	15 L.	15 L 7 YEAR
Ref. 047	Ref. 048	Ref. A301



High-quality insulating waterproofing coating which acts as a protective shield for roofs and facades.

Water-based coating made up of acrylic resins, new generation highquality polyurethane, hollow nanospheres and heat reflective pigments. It can be used for thermal insulation (it reduces temperature inside homes and industrial buildings). Suitable even for galvanized steel.

The coating reduces temperature by 4° to 25°C depending on the outside air temperature and on the support it is applied to.

It's recommended to use **Suber-Oxid** prior to applying surface coating in order to remove rust and provide better protection.

Use Concrete Sealer Suberlev to increase trafficability and make cleaning easier.



Coverage	On facades ap 0,8 to 2 L/m², de	
Colour	White, other col	
Thinner	Water.	
Application method	Apply by brush,	
Solar reflection factor	83,9% (ASTM G1	
Emissivity	0,75 (ASTM C13)	
Reduction of heat flow	73,84% (UNE-EN	
Water permeability	0,01 kg/(m² · h0	

	On facades apply 0,8 - 1,5 L/m². On roofs apply from 0,8 to 2 L/m², depending on the number of coats.
	White, other colours available on request.
	Water.
	Apply by brush, roller or suitable spray gun.
	83,9% (ASTM G173 - 03).
	0,75 (ASTM C1371 - 04a(2010)e1).
V	73,84% (UNE-EN 1062-3).
	0,01 kg/(m² · h0'5) (EN 1504-2).



WATERPROOF AND THERMAL INSULATION

# THERMO-SKYLIGHTS SHIELD



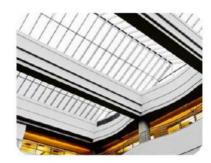
Insulating coating for skylights that are made of polycarbonate, fibre, glass, etc. It has a great insulating capability both in summer (it reduces heat and UV rays), and in winter.

It allows light to pass through it, but blocks infrared radiation that generates excessive heat and ultraviolet rays that can fade and discolour furniture and damage goods stored indoors. This protective coating also reduces annovina alare.

armoying glare		
Coverage	In case it is necessary to provide solely thermal insulation, apply 0,15 L/m².	
	In case it is necessary to provide thermal insulation and waterproof, apply previously 1,5 L/m² of the Acrylic Waterproofing Membrane.	
Drying time	From 4 to 10 hours at 20° C and 60% HR.	
Colour	Translucent.	
Thinner	Water.	
Finish	High satin.	







# NATURAL CORK PRODUCTS



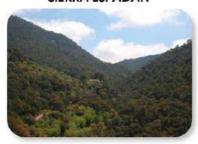
Cork is the outer bark of the cork oak (Quercus Suber). The bark protects the tree from the extreme conditions of the Mediterranean climate. It is a slow-growing tree that has a lifespan of 150-200 years. The cork bark is harvested every 9 or 13 years.



Thanks to the irregularly shaped, thin-walled, wax-coated cells that this plant tissue is made of, cork becomes highly elastic, resistant and durable.

These cells are filled with suberin, which makes them a moisture resistant filler and a perfect material for thermal insulation. Moreover, suberin demonstrates excellent antibacterial and antimicrobial activity. It also prevents the cork from deteriorating.

#### SIERRA ESPADÁN



#### The main advantages of cork are:

- **Light weight.** About 90% of the volume of cork is occupied by air, that's why it has a very low density.
- Impermeability. Suberin males cork cells impermeable to liquids and gases.
- **Elasticity**. The cork cell membranes are extremely flexible and able to withstand high pressure without deforming.
- Durability. Cork is exposed to adverse weather conditions for hundreds of YEAR, managing to protect the cork oak from any damage.
- Thermal insulation. The thermal conductivity coefficient ( $\lambda$ ) is 0.03-0.04 W/mK for the density of  $120 \text{ kg/m}^2$ .
- Fire resistance. Cork is a material that is very difficult to burn. When burning, it does not produce flame, so it doesn't spread, nor does it emit toxic gases.
- **Sound insulation.** Cork is naturally good at noise reduction; it prevents airborne noise, impact noise and vibration transmission.



#### Products:

Considering all the above-mentioned reasons, cork proves to be one of the best options for the construction material manufacturing. We are proud to say that since 2008 Suberlev company has been fabricating and innovating corkbased products, such as:



- · Sprayed cork.
- · Cork paint.
- Cork-based Thermal Mastic.
- · Cork flooring.
- · Cork boards.
- · Cork Cavity Wall Insulation.

























# NATURAL CORK PRODUCTS

# NATURAL SPRAYED CORK roofs and facades



#### 12 Kg. Ref. 059-083, A280-A282







High-quality **natural coating** that forms a thin seamless film. It is specifically used for **thermal correction**, roof and facade **waterproofing** or asbestos (uralite) encapsulation. It is a weather-resistant product based on sterilized natural cork granules, new generation resins and highly stable inorganic pigments.

Granulometry	0,4 -0,9 mm.
Application	Apply by spray gun or Suberlev spraying machine.
Recommended coverage	2 kg/m² (6-10 m² per bucket).
Thermal conductivity	0,059 W/m°K (EN 12667).
Heat flow test	Considerable decrease: 69'15%.
Water vapor permeability	Class I (EN 1504-2).
Liquid water permeability	0,05 kg/(m²·h0,5) (UNE-EN 1062-3).
Coefficient of adhesion in traction	9,17 kg/cm² and 13,17 kg/cm² (UNE-EN 1542).
Slip resistance	Class 3 (UNE-ENV 12633).
QUV Accelerated Weathering Test (3000 hours)  No change in appearance, cracking, peeling blistering or loss of adherence (UNE-EN ISO 11)	
Fire resistance	Euroclass B - s1 - d0 (UNE-EN 13501-1+A1).
Asbestos (uralite) encapsulation	Prevents asbestos fiber dispersion (UNI 10686).



# NATURAL SPRAYED CORK Facades and interiors



**12 Kg.** Ref. 084-108, A283-A285



17 (N°. DdP: 01) EN 1504-2



High-quality fine-grained natural coating that forms a **breathable** film and helps **prevent capillary moisture**. It can be used outdoors and indoors. Additionally, this product is ideal for acoustic correction.

Granulometry	0,1 -0,4 mm.	
Application method	Apply by spray gun or Suberlev spraying machine.	
Recommended coverage 2 kg/m² (7-11 m² per bucket).		
Thermal conductivity 0,059 W/m°K (EN 12667).		
Heat flow test	Considerable decrease: 69'15%.	
Sound absorption	Class E (UNE-EN ISO 354)	
Water vapor permeability Class I (EN 1504-2)		
Liquid water permeability 0,05 kg/(m² h0,5) (UNE-EN 1062-3)		
Coefficient of adhesion in traction 0,9 MPa (UNE-EN 1542)		
QUV Accelerated Weathering Test (2000 hours)	No change in appearance, cracking, peeling, blistering or loss of adherence (UNE-EN ISO 11507)	
Fire resistance	Euroclass B - s1 - d0 (UNE-EN 13501-1+A1)	



#### 12 Kg. Ref. NOVO



Single-component **medium-grained** sprayed cork coating based on natural cork, **waterborne** resins and inorganic pigments **designed** to be stable for external application.

This insulating product also helps prevent capillary rising damp and future problems with condensation, including mould and fungus.

It's a breathable non-toxic biodegradable material.



Granulometry	0,4 - 0,6 mm.
Application method	Apply by pistol or Suberlev spraying machine.
Coverage	2 kg/m².
Thermal conductivity	0,061 W/m°K (EN 12667).
Liquid water permeability	0,058 kg/(m² h0,5) (UNE-EN 1062-3).



#### 5,5 Kg. Ref. NOVO\_D





# NOVOSUBER DRY

Dehydrated Sprayed Cork. This innovative cork coating is used for **protection**, **decoration and thermal insulation** on both exterior and interior surfaces.

It's a flexible, permeable insulation product that effectively bonds to different types of supports.

Its innovative packaging process makes this product stand out. It allows for both weight and volume optimization when transported nationally or internationally.









# NATURAL CORK PRODUCTS

### SUBER-PAINT





4 L.	15 L.
Ref. A249	Ref. A250



**Crack-free** and **anti-carbonation** paint for use on facades and roofs. It has very low thermal conductivity due to the fact that its formula contains **natural cork microparticles**. Not only does this paint help save energy as it reduces the amount of **heat** that **transfers** through the walls and roof, but it also provides extra **protection** against pollution (carbon dioxide).

This is a product with excellent covering power. Moreover, it is easy to apply. It's a perfect thermal insulation and anti-condensation coating.

This paint can also be used for **sound insulation**. It reduces noise and vibrations of industrial equipment.





gun.



Application method	Apply by brush, roller or suitable spray
Coverage	0,6 – 1,5 L/m².
Heat flow test	Considerable decrease: 65'00%.
Water vapor permeability	Class   (EN 1504-2).
Liquid water permeability	0.001 kg/(m² h0.5) (UNF-FN 1062-3).

Coefficient of adhesion in traction

QUV Accelerated Weathering
Test (2000 hours)

1,4 MPa (UNE-EN 1542).

No change in appearance, cracking, peeling, blistering or loss of adherence. Slight change in brightness. (UNE-EN ISO 11507).





10 L. Ref. A351



Thin film coating composed of natural cork microbeads, micronized cement and metakaolin, high-quality resins and natural inorganic pigments. It's a flexible product that can be applied on floors, walls and roofs. It forms a uniform seamless film. This product offers the opportunity to create a wonderful decorative finish on both interior and exterior surfaces.

Microlev is able to adhere to **almost any type of surface**: polished porcelain tiles, concrete, terracotta tiles, parquet, painted surfaces and many other well-prepared and clean substrates.



Application	Apply by trowel, spray gun or suitable spraying machine.
Coverage	1 L/m².
Textures	Medium and fine.
Colours	Colour chart of 400 colours and colour chart of Sprayed



4 L.	15 L.
Ref. 133	Ref. 134



# FLEXIBLE THERMAL MASTIC

High-quality mastic based on natural cork and fibreglass. It is used for thermal and sound insulation. This product bonds to any type of surface (ceramic tiles, glass, cement, etc). It's very flexible, that's why it absorbs movement in buildings very well.

Application method	Apply by trowel, scraper or Suberlev spraying machine.
Coverage	2 kg/m².
Water vapor permeability	Class I (EN 1504-2).
Liquid water permeability	0,006 kg/(m² h0,5) (UNE-EN 1062-3).
Coefficient of adhesion in traction	1,0 MPa (UNE-EN 1542).













# DRY MASTIC "SUBERCONFORT"

**Dry** thermal mastic based on cement, cork granules and glass fibre. It is ideal for **plastering** and **smoothing** surfaces, as well as for installing ETICS systems and reducing thermal bridging, etc.

Application	Apply by trowel, scraper or Suberlev spraying machine.
Coverage	0,55 kg/m² y mm.
Thinning	7 L of water to 8 kg of the product.
Thermal conductivity	0,094 W/m°K (EN 12667).
Coefficient of adhesion in traction	0,5 MPa (B=100%) (UNE-EN 1542).
Adhesion to ceramic tile	1,3 MPa (A/B=30%; B=70%) (UNE-EN ISO 4624).











# MINERAL ETICS IN THREE STEPS

ETICS which consists of Thermolev ECO, Flexilev ECO and a finishing material (paint or sprayed cork). It adapts to any type of surface creating a seamless coating. With this system there will be no need for priming mineral surfaces. It can be applied up to 12\* cm thick without any reinforcement.



\* For thicknesses larger than 12 cm, it is recommended to set up a 3 cm hexagonal galvanized metal mesh.









#### 11 kg. (50L aprox.) Ref. A325

**Lime mortar** for thermal insulation with added recycled **EPS aggregates** and thermally expanded volcanic rock. It's a **breathable** product that doesn't absorb water and improves **thermal** and **sound insulation**. Moreover, it reduces problems with capillary rising damp on skirting boards of internal and external walls.

Granulometry	≤ 1 - 4 mm.
Application method	Apply by trowel or Suberlev Spraying Machine.
Coverage	2 - 2,3 kg/m² and cm.
Thinning	Approx. 15 – 18L of water to 1 bag of the product.
Thermal conductivity	0,05 W/m°K (EN 12667).
Volumetric mass	220 kg/m³ ± 20 (EN 1015-10).
Water vapor permeability	μ≤8,7 (UNE-EN 1015-19).
Compressive strength (28 días)	0,40 N/mm².
Flexural strength (28 días)	0,30 N/mm².
Adhesion	≥ 0,06 MPa (UNE-EN 1015-12).
Fire resistance	Euroclass B - s1 - d0 (UNE-EN 13501-1+A1).

#### **12 kg**. Ref. A335

18 N°. DdP: 06 UNE-EN 998-

**Fiber-reinforced** dry mortar made up of hydraulic lime binders, silicas and fiberglass among other components. This product is **easy to use**, it can be applied manually. It's **weather-resistant** and allows for a **smooth finish**.

Application method	Apply by trowel, scraper or Suberlev spraying machine.
Coverage	1,10 kg/m² and mm.
Thermal conductivity 0,083 W/m°K (EN 12667).	
Thinning	5 – 6 L of water to 1 bag of the product.

#### THERMOLEV ECO





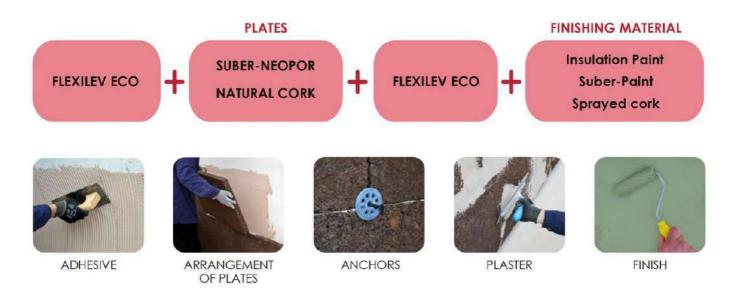
# **FLEXILEV ECO**



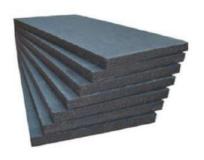


# **ETICS PLATES**

This system consists of an adhesive agent, heat insulating plates, a coat of plaster and a finishing material. It's a dry adhesive insulation system with additional mechanical anchoring (special fixings and building profiles). An easy-to-apply ETIC system improves energy efficiency of passive houses and zero-energy buildings.



# SUBER-NEOPOR



Expanded polystyrene (EPS) plates with added **encapsulated graphite particles**, therefore the material has a very low thermal conductivity.

Dimensions	0,50 x 1,00 m.	
Coverage	2 plates/m².	
Thermal conductivity 0,029 W/m°K (EN 12667).		
Thickness	Various thickness is available if you purchase the minimum order quantity.	

# AGGLOMERATED CORK



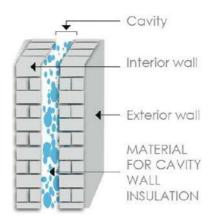
Agglomerated Cork boards obtained from the **expansion of cork granules** through a water vapor process. It is a 100% natural product **without any synthetic agents**.

Dimensions	0,50 x 1,00 m.	
Coverage	2 plates/m².	
Thermal conductivity	0'04 W/m°K (EN 12667).	
Thickness	Various thickness is available if you purchase the minimum order quantity.	

# MATERIALS FOR CAVITY WALL INSULATION

Material for dry insulation that is used for filling up air cavities, false ceilings and roofs in the houses with poor insulation that are undergoing restoration.

This type of insulation involves a specialist drilling holes in the outer leaf of your cavity wall in order to pump in insulation. You won't have to start a home renovation. Moreover, you can blow insulation into walls from inside the house and from outside.











#### 500 L. Ref. A251

EPS-based dry insulation with added **encapsulated graphite**. Its extremely low thermal conductivity and **ease of application** make this **innovative** product stand out.

Thermal conductivity	0,029 W/m°K.
Granulometry	1 - 4 mm.
Coverage	500L. 1 pallet = 4 bags = 2m³.





#### 60 L. Ref. A208

Natural cork granules used **specially** for blowing in the **cavities** that need both **thermal** and **sound insulation**.

Thermal conductivity	0,050 W/m°K.	
Granulometry	0'4-2 mm. Density: 300 kg/m³.	
Coverage	60L. 1 pallet = 30 bags = 1,8m³.	





#### 15 L. Ref. A344



# PEARL COMPACTION RESIN

Single-component water-based **resin dispersion**. This product is ideal for the immediate **bonding** of cavity wall insulation.

One-component resin in **aqueous dispersion**. Ideal for **compacting** pearl, the cavity wall insulation material (XPS, EPS, etc.) at the time of application.

Coverage	6 - 8 L per each 500 L of the material (EPS, etc).	
Thinning	50% of water.	

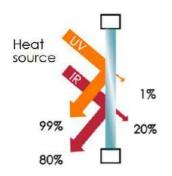




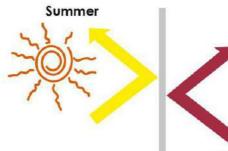
# WINDOW INSULATION FILMS

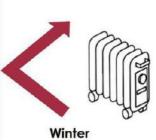
Innovative insulation films system that incorporates ceramic microspheres. It helps insulate your windows against excessive summer heat and prevents heat loss during cold winter months.

Thanks to nano ceramic technology we were able to create an optimal window insulation for both winter and summer.









#### INSTALLATION INSTRUCTIONS



CLEAN THE SURFACE



**CUT THE WINDOW FILM** 



REMOVE THE PROTECTIVE BACKING



SPRAY THE SURFACE WITH WATER



APPLY THE WINDOW FILM



SPRAY THE SURFACE WITH WATER



REMOVE THE EXCESS MOISTURE



TRIM ANY EXCESS

# SQUEEGEE FOR WINDOW INSULATION FILM INSTALLATION





This is a special squeegee used for the installation of Suberlev window insulation films. Thanks to its anti-scratch rubber the process of installation becomes even easier.



# NANOCERAMIC WINDOW INSULATION FILM

0'76 x 2 m.	0'76 x 4 m.	The whole roll
Ref. A320	Ref. A321	Ref. 137

Transparent nano ceramic window insulation film for use on glass surfaces.

	$1,52 \text{ m} \times 30,5 \text{ m} = 46,36 \text{ m}^2$ . Roll.
Presentation	$0'76 \times 2 \text{ m} = 1'52 \text{ m}^2$ . Box.
	$0'76 \times 4 \text{ m} = 3'04 \text{ m}^2$ . Box.



# SILVER WINDOW INSULATION FILM

0'76 x 2 m.	0'76 x 4 m.	The whole roll
Ref. A316	Ref. A317	Ref. 140

One way mirror film. As well as privacy, this reflective window film provides insulation.

	1,52 m x 30,5 m = 46,36 m <sup>2</sup> . Roll.	
Presentation	$0'76 \times 2 \text{ m} = 1'52 \text{ m}^2$ . Box.	
	$0'76 \times 4 \text{ m} = 3'04 \text{ m}^2$ . Box.	





# **FROST WINDOW INSULATION FILM**

0'76 x 2 m.	0'76 x 4 m.	The whole roll	
Ref. A318	Ref. A319	Ref. 142	

Frosted glass effect film provides both privacy and insulation. It is suitable for glass surfaces.

	1,52 m x 30,5 m = 46,36 m <sup>2</sup> . Roll.
Presentation	0'76 x 2 m = 1'52 m². Box.
	$0'76 \times 4 \text{ m} = 3'04 \text{ m}^2$ . Box.



TYPE OF FILM	COLOUR	TRANSMITTED LIGHT	I.R. REJECTED	U.V. REJECTED
NANOCERAMIC	Very light greenish gray	Transparent 68%	84%	>99%
SILVER	Silver	Mirror effect 19%	90%	>99%
FROST	White opal	Translucent 23%	63%	>99%

# **EMR/EMF SHIELDING**

# **EMR/EMF SHIELDING PAINT**







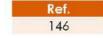


Water-based paint for interior and exterior shielding against EMF & RF frequencies and EMR radiation. It can be applied to walls, ceilings and floors. It can be painted over or covered up with wallpaper.

This is a new technology in shielding which will guard your home **against** radiation coming from the **outside** and radiation whose source is **inside** the house. This paint eliminates high and low frequency radiation and redirects it to the grounding plug. Our shielding paint protects people frequently exposed to radiation.

Drying time	6-8 hours.
Recoat time	10-12 hours. It is recommended to apply the paint by brush in a criss-cross fashion.
Coverage	Recommended 400 ml/m².

#### **GROUNDING PLUG**

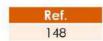




Grounding plug for interior walls painted with EMR/EMF shielding paint.

- One grounding plug per room is required. If the walls in your house are discontinuous it is necessary to install one grounding connection per sector. In large rooms, more than one grounding plug may be required.
- The plug must be screwed to the wall after it has already been painted, so that it would be in contact with the shielding paint.
- Grounding must be done by an electrician.
- 1m grounding cable is included in the kit.

# **EMF SHIELDING CURTAIN "NATURE"**





A special cotton fabric with **shielding microfilaments** of silver-plated copper thread is used to make curtains, roman shades, etc.

This EMF shielding curtain **protects the windows and doors** which are exposed to high frequency and low frequency radiation.

Washing and ironing are allowed in accordance with the manufacturer's recommendations.

Dimensions

22,50 m x lineal meter.



 Sport.
 Mono.

 Ref. 147
 Ref. A306

# **AIR TUBE HEADPHONES**

Special headphones that shield **against electromagnetic radiation** generated by mobile devices and reduce it by up to 98%.

Their novel system allows for the protection of the most sensitive area of the body, the head.

Thus, air tube headphones carry sound through the **hollowed tubes** to the earbuds, instead of transmitting radiation to your head, as regular headphones do.

- High-definition audio.
- The headphones have a button to answer and hang up calls
- Built-in microphone
- Compatible with Smartphones, tablets, mp3 players and devices with a 3,5 mm Jack connector.





**Ref.** 149

# **ANTI-RADIATION CELL PHONE CASE**

Anti-radiation **cell phone** case which shields against electromagnetic waves generated by mobile devices.

It creates a barrier between the emitted radiation and a person.

It reduces radiation by up to 98% while maintaining signal strength.

The shielding effect is tested and certified by the Technological Institute of Energy (ITE).





**Ref.** 152

# PROFESSIONAL MEASUREMENT

A technician visits your home to perform a rigorous measurement of both **high** and **low frequencies**. Once the data is obtained, a report with a description and recommendations on how to improve the current situation is prepared.



# **APPLICATION TOOLS**

# SPECIAL INJECTION GUN FOR CAVITY WALL INSULATION AND MORTAR

Ref.	Resins
153	Ref.A352



This is a specially designed gun for blowing the **insulating material** (Neolev or Natural Cork for Cavity Wall Insulation) into the cavities in your walls and false ceilings. It is also suitable for mortar application. This ergonomic tool has an air flow regulator.

The kit includes:

- 5-litre hopper (for mortar application).
- Special extraction hose, ideal for the delivery of insulation into cavity walls, 3 metre Venturi effect.



# AEROGRAPHIC GUN FOR SPRAYED CORK APPLICATION

Gravity Pressure Ref.154 Ref.155



Special aerographic spray gun for **sprayed cork application** with an air-operated valve and a stainless-steel needle. It has great supply and output current.

#### The kit includes:

- Ø 5,5 mm nozzle.

There are two types of models available:

- Gravity spray gun, with a 45° elbow that makes the application to floors and ceilings easier.
- Pressure gun, that is meant to be used together with the Suberlev machine.

#### It is suitable for the application of:

- Insulation Paint.
- Thermo-Roofs.
- Sprayed Cork.
- Foamlev (with Ø 8 mm nozzle).

# SPECIAL GUN FOR MORTAR APPLICATION

**Ref**. 156



Special gun for roof insulation with **Suberlev thermal mortar** or Sprayed Natural Cork. It comes with quick camlock couplings, as well as air and flow regulator. It is meant to be used together with a projection machine.

#### The kit includes:

- Ø 8 - 10 - 12 - 14 mm nozzles.



#### Ref. 157

### INDUSTRIAL SPRAYED CORK APPLICATION MACHINE

**Autonomous machine** which has built-in compressor, impulse pump, and 57-litre capacity hopper. Plug it into a 220v outlet.

Its approximate output is 700-800 m<sup>2</sup>/day, there have to be two workers on the roof.

Maximum pressure	7 bars, up to 10 m.	
Power	1'5 kW (2cv).	
Dimensions	580 x 860 x 1000 mm.	
Weight	79 kg.	

The kit includes a special gun, 7,5 metre hose (air and product carrying), and special nozzles for the application of paint, thermal waterproofing products and SUBERLEV sprayed cork.



#### **Ref.** 158

# CORK AND MORTAR SPRAYING MACHINE

**Machine** suitable for the application of Insulating Paint, Thermal Waterproofing, Sprayed Natural Cork and mortars. It has a **30-litre hopper**, whose capacity can be increased up to 60 litres, and a **30-metre-long hose** for spraying the Suberlev Cork. Additionally, it has a 230v outlet. It's approximate output for the application of Suberlev sprayed cork is 800-1200 m²/day on flat roofs.

Maximum pressure	20 bars, up to 30 m.
Power	1'5 kW (2 cv).
Dimensions	1100 x 460 x 550 mm.
Weight	70 kg.

It is suitable for sprayed cork and thermal mortar application. The kit includes:

- Rotor / Stator C4-2
- High pressure spray gun for cork application.
- 10 m hose.
- 23 m cable with on/off switch.









# PEARL COMPACTION MACHINE

**Machine** for the **compaction** of cavity wall insulation with resin. It consists of a compressor and a tank with the product.

Tank volume	10 L.
Compressor volume	80 L.
Motor power	2 x 750 W.
Weight	75 kg.





# **SOLAR TUBE "SUBER-TUBE"**

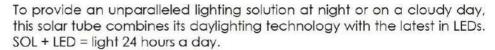
25 cm.	53 cm.
Ref. ST029	Ref. STO02





This is an optimal solution for industrial buildings, warehouses and shopping centres, i.e. places that are visited mostly during the day.

- Resistant to UV radiation, this solar tube doesn't allow heat to enter the building.
- It is completely maintenance free.
- It is characterized by perfect impenetrability and water tightness.
- This solar tube reduces environmental impact and saves energy.
- Light entry register with remote control is available.





Diameter	25 cm. / 53 cm.	
High	62,5 cm.	

# SOLAR TUBE LED-IN SYSTEM

Ref. ST003-ST012

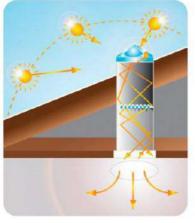


This is a lighting solar tube system which allows for effective illumination 24 hours a day.

During the sunshine hours the solar tube transmits natural light inside the building. In order to provide a lighting solution at night or on a cloudy day, the LED-IN system emits continuous light, so that the light level in the building always stays the same.

Control options:

- Standard (On-Off): The user turns it on/off manually.
- Manual dimming (manual control panel)
- Automatic dimming (lighting control console).



Model.	Power (w).	Luminance (lumens).
Led in 250	15 30	854 1.708
Led in 530	15 120	1.708 10.242



Ref. 170

# LEV-FILTER FORCED VENTILATION SYSTEM FOR CONDENSATION CONTROL

**Forced air ventilation** system that provides **fresh air** to rooms in which it is installed. It is an optimal solution for industrial buildings, garages and other places that have moisture, condensation and mould problems, as well as places with unpleasant odour.

Dimensions	657 x 290 x 222 mm.
Maximum flow	300 m³/h (with two filters).
Speed	2220 rpm.
Maximum admissible intensity	0,65 A (230 V).
Installed power	0,08 kW.





Ref. 168

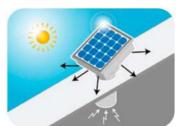
# SOLAR EXTRACTOR FAN

Fan with a photovoltaic panel, which ventilates and reduces room temperature, using solar energy and respecting the environment.

It is very **easy to install**. Water tightness is guaranteed. This fan is really silent, compared to regular ones. It can be connected to the electrical grid when the sky is cloudy. Moreover, it can be used together with a thermostat and/or a timer.

Dimensions	58 x 68 x 51 cm.
Diameter	25 cm.
Speed	2.400 rpm.
Motor power	12 V.
Installed power	50 W.
Electric power of the photovoltaic panel	12 V.
Flow rate	950 m³/h.
Weight	12,5 kg.





Ref. 169

# **ADJUSTABLE INDUSTRIAL EXTRACTOR**

Extractor for **industrial buildings**. It can be connected to the electrical grid. Besides, it can be used together with a heat detector so that the extractor will be **turned on automatically** one the set temperature is reached.

The propeller is made of fiberglass reinforced plastic. The extractor also has a safety grating in accordance with the standard UNE 100250.

Dimensions	80 x 71 mm.	
Diameter	63 cm.	
Speed	890 r/min.	
Maximum admissible intensity	3 A.	
Installed power	370 W.	
Maximum flow	12.350 m³/hour.	
Sound pressure level	64 dB.	
Approx. weight	21 Kg.	





# **RESIDENCIAL / OFFICE VENTILATION**

# LEVFILTER ECO



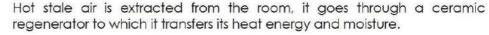
Eco	Eco Duo
Ref.A355	Ref.A356



**Ventilation unit** that can work both individually and as a combination of two units. This is a 97% efficient **heat recovery system** which helps save money on air conditioning. In addition, it **purifies stale air** and gives you an opportunity to use different types of filters.

One unit has a maximum air flow rate of 50 m³/h, with two units at work the air flow rate of 100 m³/h can be achieved.

#### How does it work?



As the ceramic regenerator gets warm, the unit switches to the mode of supply.

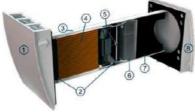
The unit purifies the cold air intake through the regenerator and absorbs the accumulated heat and moisture.

When the ceramic regenerator cools down, the unit switches back to the extraction air mode.

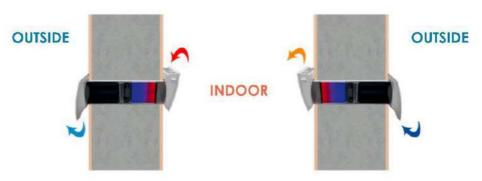








- 1. Internal decorative panel
- 2. Filter G3
- 3. Air conduct
- Ceramic energy accumulator (regenerator)
- 5. Reversible fan with EC motor
- 6. Filter F8 (option)
- 7. Noise insulating layer
- 8. Outer hood



Speed	1	2	3
Voltage / 50-60 Hz [V]	100-230		
Power [W]	2,07	4,15	10,10
Air flow in ventilation mode [m3/h]	15	30	50
Filter	G3 (F8)*		
Transported air temperature [°C]	-30+50		
Sound pressure level at 1 m [dB(A)] in accordance with ISO 3741: 2004	22	29	32
Sound pressure level at 3 m [dB(A)] in accordance with ISO 3741: 2004	13	20	23
Outdoor sound pressure attenuation in accordance with DIN EN 20140 [dB(A)]	41		
Heat recovery efficiency according to DIBt LÜ-A 20 [%]	92	86	78



Ref. A357



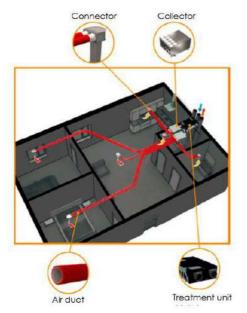
# LEVFILTER ECO 220

This is an **air handling unit** equipped with a heat recovery system which helps **reduce heat loss**. This ventilation system recovers up to 98% of heat. It has filters that purify the air.

The maximum air flow rate is 220 m³/h, that's why it is a perfect solution for the whole house.



#### How does it work?



As this unit has an incorporated counter-flow heat exchanger made of polystyrene, it can help you save a lot of money on air conditioning in the following way:

- In winter, the heat of the air extracted from the room is collected and transferred to the exhaust air stream, and that reduces heat losses through ventilation.
- In summer, the outside heat from the supply air is transferred to the exhaust air stream, significantly reducing the air conditioning load.



- 1. Supply fan
- 2. Control unit
- 3. Extract fan
- 4. G4 extract filter
- 5. Heat exchanger
- 6. Bypass damper
- 7. F7 supply filter
- 8. G4 supply filter

Unit voltage	1 – 230 V.	
Maximum power	87 W.	
Maximum current	0,71 A.	
Maximum air flow	220 m³/h.	
RPM	2200 min-1.	
Sound pressure level at 3 m	33 dBA.	
Transported air temperature	-25°C a + 60°C.	
Casing material	Expanded propylene (EPP).	
Insulation	EPP 30-15 mm.	
Extract filter	G4.	
Supply filter	G4, F7.	
Connected air conduct diameter	Ø 150 mm.	
Weight	14 kg.	
Hear recovery efficiency	from 86% to 98%.	
Heat exchanger material	Polystyrene	

\* Recommended for passive houses and zero-energy buildings.



# **THERMOGRAPHY**

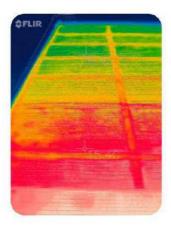
Thanks to thermographic cameras we are able to capture and create an image of an object by using infrared radiation emitted from the object in a process. This knowledge applied in the building sector makes building condition assessment easier.

This method of study and quality control for construction works has a lot of advantages, for instance:

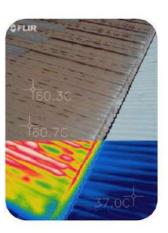
- Real-time measurement: measurement can be carried out at any time, and if the object temperature changes, for some reason, it will be noticed immediately.
- Two-dimensional plane: It means we can make measurements at several areas at the same time.
- Complete information: In the thermogram allied to a single wall temperature or the temperature of some part of the building, we can see the temperature of the whole building. This way we can check if there are any defects, dampness, leaks, etc.

In order to get the most out of this tool, it is necessary to know how to interpret the data.









# FLIR ONE PRO

Net. ONE-A296



When connected to a smartphone, it gives a new view of everyday world. It helps find problems with the house, optimizing its energy efficiency.

It contains an advanced image processing system, and takes high resolution photos (1440 x 1080 pixels).

iOS connection is dependent upon the compatibility with mobile devices.

# MEASUREMENT AND THERMAL IMAGING REPORT

Ref. 176



Our specialist will be glad to make a thermography measurement for you and give you a thermal imaging report as well as recommendations on how to insulate the house.



### MACHINERY RENTING

We have different types of machinery for the application of all our products: GRACO RTX 1500 machine, PFT SWING machine, Gentillini compressor, spray guns, cavity wall insulation equipment that allows for instant pearl compaction, etc. Please do not hesitate to contact our sales department if you require further information.



### TRAINING COURSES

We give training courses to everyone who wants to get certified in the application of all our products and systems. The courses cover both theoretical and practical training.



# RECOMMENDATIONS AND TECHNICAL REPORTS

We prepare technical documentation and reports every time they are requested. We also give professional recommendations describing in detail the steps to follow in each particular case in order to obtain the best result and warranty service.



# TECHNICAL ADVICE

Our technical department is always ready to advise our clients and choose the best insulation or waterproofing solution for any building.







#### **PENTAGON**

This is a 2,10 m high wooden stand which is divided into two units. There are 4 real samples of our insulation systems, waterproofing products, and decorations on each side.

#### **PYRAMID SHAPED**

A wooden stand, which is designed to hold 9 large-format portable samples of our products. Each sample size is 70 x 60 cm, and the display stand height is 1,90 m.



#### **TABLE UNIT**

This is a 1,05 m heigh piece of furniture, which is designed to hold 10 real samples. It serves two purposes: it unit and a table at customers.



can be used as a display which you can attend to



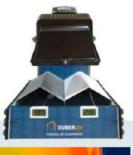
#### COMB

A comb-shaped display stand, which is designed to hold medium-sized samples (40 x 22 cm). It is an easy-to-handle piece of furniture that can be placed on any shelf, table, window display, etc.



#### "ROOFS"

This piece of furniture is used to check the effectiveness of our products (such as Sprayed Cork, Thermo-Roofs, Thermo-Facades, etc.) in situ.



#### "WINDOW INSULATION FILMS"

This piece of furniture is used to show the functioning of our window insulation films. A glass sample with or without insulation film can be placed inside.



#### OTHER MARKETING MATERIALS

We have catalogues, brochures, Sprayed Cork colour charts, Suber-Paint colour charts, window insulation films leaflets,



# ENERGY EFFICIENCY THE CHEAPEST ENERGY IS THE ENERGY YOU DON'T USE



WE DEVELOP NEW STANDARDS IN ORDER TO CREATE A BETTER ENVIRONMENT



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Authorized dealer

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