

1. Product name

Jelinek Cork Coating

2. Manufacturer

Jelinek Cork Group
2260 Speers Rd.
Oakville, Ontario
Canada, L6L 2X8



3. Product Description

Basic use

Jelinek Cork Coating (JCC) is a product composed largely of cork and has all the natural characteristics of **JCC** cork. This is a real evolution in the construction sector: it can be used for the waterproofing of terraces, roofs and sub-roofs, to cover and protect the exterior facades, to correct thermal bridges (the cause mold inside) and to replace the exterior insulation finish as well as to install or renovate flooring and paving. **JCC** combines the same unique characteristics of cork, which have been evaluated, tested and subjected to rigorous UNI-EN-ISO certification processes.

Composition and material

Cork and water-based resin

Types and sizes

JCC is sold in a 12 kg bucket with optional 2kg toner to make colors. (about 26 lbs).

Advantages

This natural material has many qualities that makes it perfect for the building. In fact, in addition to being an excellent thermal insulator, a valuable means of sound insulation, cork is non-toxic, aseptic, non-allergic, rot-proof and anti static.

The **JCC** has all the natural characteristics that make cork a particularly appreciated building material, which includes a good resistance to wear, fire and attacks of rodents or insects.

The cells of the cork tissue are full of air and hardly permeable to water; therefore, they guarantee a mechanical protection of the internal tissues. The cork fabric, however, allows the exchange of gas between the plant tissues and the environment, thanks to tiny channels filled with a reddish brown powder. In addition to containing large amounts of air, cork is both highly elastic and resistant, making it an excellent thermal and acoustic insulator.

JCC has the ability to keep the treated surface warmer, even in the presence of high levels of relative humidity in the air. Cork also has a low thermal movement and a surface temperature above 0°C. If **JCC** is applied to a surface, it limits the thermal transmittance of the wall by increasing the surface temperature of the substrate to which it is applied, thus reducing thermal shock (difference between ambient temperature and the wall), thus avoiding the risk of damage and exceeding the dew point, which would cause condensation and all the conditions for the formation of mold. **JCC** is a breathable product. This allows the steam to leave the room, thus reducing the relative humidity (Water vapor permeability 72.1 g / m² per day).

The **JCC** spray system also contributes to the added value by reducing your heating and cooling bills by as much as 20 to 30 percent.

Applied to the interior walls of a building, the **JCC** increases the surface temperature, which makes it more difficult to form condensation.

The standard exterior paint (acrylic, polyurethane) has no thermal break, which will cause discolouration due to weather, UV rays and pollution. The **JCC** decreases by only 1% compared to the standard paint which fades by about 10% / year.

One of the properties of cork is that it will not fall below 0°C nor get above 30°C. This means that the surface of your house or building will be cool in summer and warm in winter. This creates a thermal break reducing your energy bills.

Limitations and precautions

Cork is by nature a tannin product, but the use of different lots of cork can affect the uniformity of the color of the results. We therefore recommend that you use the same production batch or, if necessary, mix different batches to obtain the same final color tone. We also recommend the use of neutral **JCC**, always adding colors, to surfaces that are particularly exposed to high relative humidity or water accumulation, to prevent bleaching or softening problems of the resins used in manufacturing of the product.

4. Technical data

Physical and technical data

- **COLOR:** brown (natural)
- **APPEARANCE:** thick granular paste.
- **SOLID CONTENT:** 78%
- **pH:** 7.2
- **SPECIFIC WEIGHT:** 0.770 kg / litre

- **THERMAL** $\lambda = 0.026 \text{ W / m } ^\circ \text{C}$ ACCORDING TO UNI 7745

Thanks to its properties, cork maintains a constant temperature in relation to the outside temperature.

- **ELASTICITY** 52% (51.59%) ACCORDING TO UNI ISO 3345 STANDARD

Its elastic properties prevent the formation of cracks or micro cracks.

- **WATER VAPOR PROPAGATION RESISTANCE (BREATHABLE)**

$\mu = 23$ ACCORDING TO UNI EN 12086 - UNI EN ISO 7783-1

The product, when applied to adhere to cold, damp walls, absorbs moisture, filters and evaporates without deterioration. No other operation is necessary.

- **COLD LIQUID RESISTANT ACCORDING TO UNI EN 12720 STANDARD**

JCC, subjected to 23 different cold liquids, did not undergo any variations.

- **RESISTANT TO TEMPERATURE CHANGES AND SEA SALTS ACCORDING TO UNI 9429 STANDARD**

Subject to 15 cycles with + 82 ° C salt solution at -28 ° C found no defects.

- **RESISTANT TO ATTACK FUNGI XYLOPHAGES** R. No. 175/2005

Centro di Ricerca Toscano White rot, Brown rot, Blushing mushroom.

- **RESISTANCE TO UV RAYS:** excellent.

- **THEORETICAL HEAT SPECIFIC** 1,8 KJ / kg ° K

- **WATERPROOF:** 0.2 bar ACCORDING TO UNI 8307 STANDARD

- **VISCOSITY:** 200000 mPa • s (Brookfield DV E viscometer with 06 rotor at 2.5 rpm)

Precautions

Jelinek Cork Coating is able to adhere to a wide range of materials: coated (no plaster), cement, glass, aluminium, PVC, wood, but as they all cover large ranges and compositions, it is always necessary to test at Pre-bond the adhesion and use primer to fit the support surface, if necessary. Please consult our technical division for more details.

Yield

The coverage of Jelinek Cork Coating is about 140 to 180 sq.f. for a 12kg container with toner. Vertical surfaces require less product consumption.

Storage

Keep the product at temperatures between + 5 ° C and 35 ° C.

5. Availability

Jelinek Cork Coating is a regular stock item and is sold per 12 kg bucket + optional toner (approximately 26 lb).

6. Warranty

All Jelinek products are carefully inspected before shipment. Final inspection and approval is the responsibility of the customer. Patterns and colors should be verified as correct prior to installation. Claims can not be accepted for incorrect equipment installation. Jelinek warrants for a period of ten (10) years from the date of shipment that its cork products are free from defects in workmanship. This WARRANTY DOES NOT COVER:

1. The finish of the installation.
2. Dissatisfaction, problems or damage due to improper installation.
3. Damage due to accident or abuse.
4. Dissatisfaction, problems or damage caused by irregularities caused by the subfloor, including , but is not limited to hydrostatic pressure in the subfloor.
5. Dissatisfaction based on variations in shade or color of the tiles.

THE WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY OTHER PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESS OR IMPLIED, AND OTHER RESPONSIBILITIES AND OBLIGATIONS OF JELINEK CORK. The instructions and instructions included, although applied to our best experiences and knowledge, should be considered indicative and confirmed by a thorough practical application, so as to eliminate any risk factors related to the quality of the execution that can not We recommend that in any case, before using the product, we recommend that you carry out preliminary tests to make sure that the product is perfectly adapted to the intended application. In case of doubt or uncertainty, please contact our technical department This technical data sheet cancels and replaces the previous version.

7. Tests carried out (files and methodology available on request)

Products are certified and function in compliance with the standards set by the Quality Management System (certified ISO 9001:2010) and the Environmental Management System (Certified ISO 14001:2004) Certification applied to Suberite is as follows:

NUMBER	TEST	REGULATION	RESULT
46/2005	Water absorption coefficient	EN 927-5	Absorption=166g/ mq
70/2005	Water steam transmission rate test	UNI EN ISO 7783-1	72,1g/mq a day
72/2005	Waterproofness of plastique covering	UNI 8307	Waterproof
175/2005	Resistance to fungi	CERTO INSTITUTE	No fungus in the surface
375/2005	Trampling test	CERTO INSTITUTE	After 6000 times mass loss=2,75mg
598/2004	Slip resistance test	UNI 8272 / 11o	m=1,53 level 4
602/2004	Volumic mass determination test	UNI EN 323	Kg/m3=536
603/2004	Resistance to cold liquids	EN 12720	Acetone 2 min, Ammonia 10 min
604/2004	Resistance to cylindrical mandrel bend test	UNI EN 1519	220C γ =0,00C γ =4mm -200C γ =27mm
605/2004	Humidity determination test	UNI EN 322	Relative humidity=2,99%
610/2004	Longitudinal traction	ISO 3345	Qw=0,26, Elasticity=51,59%
629/2004	Resistance to accelerated ageing test	UNI EN ISO 11507	No degradation
631/2004	Resistance to extremes of temperature	UNI 9429	Without defects between -280C e 820C
632/2004	Extremes of temperature with salt solution	UNI 9429	Without defects between -280C e 820C
456/2006	Impact strength test	CERTO INSTITUTE	m=1kg, γ =2cm, h=5 0cm No damage.
272/2007	Conductivity coefficient	UNI 7745	\bullet =0,026 W/m°C
690/2008	Water steam transmission capacity	UNI EN 12086	G=186mg/h m=23



Instructions for using JCC-FG (fine grain) with a trowel (Cork ventilated particles of 1 mm)

Mix

Container of 12 kgs + 1 liter (34 oz) of toner + 25oz to 34oz of water

Mix the product well for 2-3 minutes with the 5" diameter spiral mixer. Incorporate the colored toner. Rinse the colored toner bottle with the water and empty it into the container. Mix well for 2-3 minutes with the spiral mixer.

It's ready.

Trowel

Check that the product is well mixed and homogeneous

- Plasterboard tray and trowel with rounded corners.
- Take a quantity of product from the tray and apply it to the surface at a trowel angle of 15 ° to 20 ° without putting a lot of pressure. Simply slide the product onto the surface. Even the surface.
- Leave to dry in preparation of the second coat, which can be done after 4 hours or the following day, depending on the conditions.
- The work is done in 2 coats, the first coat does not have to be perfect. It's a tack coat. The second coat will even the surface.

Note: it is possible, approximately 15-20 minutes after applying the first and second coat, to use a rigid plastic trowel or cork floater to soften the surface.

During the whole operation, the mixture must be checked to keep it homogeneous. Do not hesitate to remix the mixture, if necessary. You have to keep the same viscosity as at the beginning.

When the job is done, the thickness should be around 1.5mm to 2.0 mm

Precautions

For vertical application, protect the surface from rain/water for at least 2 hours. The protection is longer under cold temperatures. For horizontal application, protect the surface from rain/water for at least 24 hours.

DO NOT APPLY THE PRODUCT UNDER THE SUN AND ON VERY HOT SURFACES.

If you stop working for a certain time, make sure to soak the tools in water: gun, trowels, mixer. After use, soak the mixer in water.

Always remove the cork paint from the interior walls of the container to incorporate it into the paint.

In all cases, where water has to be added to the mixture, the spiral mixer must be used. Otherwise, the water will not be incorporated well into the mixture.

As with any finishing project, if this is your first experience with the product, it is highly recommended to do a preliminary test before starting the work in order to adapt well to the product and the equipment.



MICRO



GF



GM



HR 0 SU GT



HR 0 GT



HR 01 GT



HR 02 GT



HR 03 GT



HR 04 GT



HR 05 GT



HR 06 GT



HR 07 GT



HR 08 GT



HR 09 GT



HR 10 GT



HR 11 GT



HR 12 GT



HR 13 GT



HR 14 GT



HR 15 GT



HR 16 GT



HR 17 GT



HR 18 GT



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HR 29 GT



HR 30 GT



HR 31 GT



HR 32 GT



HR 33 GT



HR 34 GT



HR 33 G1



HR 36 G1



HR 37 G1



HR 38 G2



HR 39 G2



HR 40 G2



HR 41 SU G6



HR 42 SU G6



HR 43 SU G6



HR 44 SU G6



HR 45 SU G6

FIDÉLITÉ DE LA COULEUR : Veuillez noter qu'en raison des variations de calibrage des moniteurs, la représentation de la couleur à l'écran n'est pas un indicateur précis de la couleur réelle de l'enduit.

COLOUR ACCURACY: Note that the on-screen colour representations are not necessarily precise representations of actual coated colours due to variance in monitor calibrations.