DECORATIVE

DECORK

Cork based decorative finish applicable on walls and floors (grain size 0 – 1 mm; 0 – 0.04 in).

Decorative finish made of cork and water based resins (grain size 0 – 1 mm; 0 – 0.04 in) for the decoration of floors, walls and ceilings. The coating has all the benefits of cork: breathability, thermal insulation, an excellent fire reaction, weathering resistance and durability. It is possible to create endless aesthetical effects, which can have different textures.

BENEFITS
• Suitable to create decorative effects.
• Breathable and water-repellent.
• Excellent aesthetic effect.
• Easy and quick application.
• LEED accredited and CE branded.

PACKAGING
18 kg plastic bucket + 2 kg of colour.
Pallet: 32 bucket (576 kg) + 32 packaging of colour (64 kg).

UB1 Colour
18 kg plastic bucket + 4.5 kg of colour.
Pallet: 32 bucket (576 kg) + 32 packaging of colour (144 kg).

STORAGE
Store the product in its original containers perfectly closed, in well ventilated areas, away from sunlight, water and frost, at temperatures between +5° C and +35° C (41° F and 95° F).
Storage time: 12 months.

PREPARATION OF SUPPORT
The support must be completely hardened and resistant enough. The surface must be perfectly levelled, thoroughly clean, dry, well consolidated, without oils, greases debris or detaching parts or other materials that may compromise the product adhesion.
If the surface is crumbly in its entirety, totally scrape it until obtaining a good support and restore lesions or damaged parts with suitable mortar.

YIELD
0.8 – 1.0 kg/m² in 2 coats.

COLOUR
Diasen colour chart.

APPLICATION FIELDS
Product designed for the coating and the decoration of internal walls, ceilings and floors. Decork shows excellent adhesion abilities on any kind of support and for this reason, with the correct primer, it can be used on different substrates: metal, plaster, cement supports and tiles. Suitable both indoor and outdoor. To cover external walls, it is recommended to use the specific finish Diathonite Cork Render (see technical data sheet).

BENEFITS
• Suitable to create decorative effects.
• Breathable and water-repellent.
• Excellent aesthetic effect.
• Easy and quick application.
• LEED accredited and CE branded.

PACKAGING
18 kg plastic bucket + 2 kg of colour.
Pallet: 32 bucket (576 kg) + 32 packaging of colour (64 kg).

UB1 Colour
18 kg plastic bucket + 4.5 kg of colour.
Pallet: 32 bucket (576 kg) + 32 packaging of colour (144 kg).

STORAGE
Store the product in its original containers perfectly closed, in well ventilated areas, away from sunlight, water and frost, at temperatures between +5° C and +35° C (41° F and 95° F).
Storage time: 12 months.

PREPARATION OF SUPPORT
The support must be completely hardened and resistant enough. The surface must be perfectly levelled, thoroughly clean, dry, well consolidated, without oils, greases debris or detaching parts or other materials that may compromise the product adhesion.
If the surface is crumbly in its entirety, totally scrape it until obtaining a good support and restore lesions or damaged parts with suitable mortar.

YIELD
0.8 – 1.0 kg/m² in 2 coats.

COLOUR
Diasen colour chart.

APPLICATION FIELDS
Product designed for the coating and the decoration of internal walls, ceilings and floors. Decork shows excellent adhesion abilities on any kind of support and for this reason, with the correct primer, it can be used on different substrates: metal, plaster, cement supports and tiles. Suitable both indoor and outdoor. To cover external walls, it is recommended to use the specific finish Diathonite Cork Render (see technical data sheet).
Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn’t know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company’s technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on [www.diasen.com](http://www.diasen.com).

### DECORK

Cork based decorative finish applicable on walls and floors (grain size 0 – 1 mm; 0 – 0.04 in).

---

### Technical Data

<table>
<thead>
<tr>
<th>Features</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yield</td>
<td>0.8 – 1.0 in two coats kg/m²</td>
</tr>
<tr>
<td>Aspect</td>
<td>paste</td>
</tr>
<tr>
<td>Colour</td>
<td>Diasen colour chart</td>
</tr>
<tr>
<td>Density</td>
<td>0.75 kg/l</td>
</tr>
<tr>
<td>Dilution By trowel</td>
<td>If necessary max 5% (0.9 l per 18 kg bag)</td>
</tr>
<tr>
<td>Dilution By spray</td>
<td>If necessary max 10% (1.8 l per 18 kg bag)</td>
</tr>
<tr>
<td>Waiting time</td>
<td>about 8 - 10 hours</td>
</tr>
<tr>
<td>Grain size</td>
<td>0 - 1 mm</td>
</tr>
<tr>
<td>Application temperature</td>
<td>+5 /+35 °C</td>
</tr>
<tr>
<td></td>
<td>+41/+95 °F</td>
</tr>
<tr>
<td>Drying time</td>
<td>10 hours</td>
</tr>
<tr>
<td>Storage</td>
<td>12 months in original containers and well ventilated areas months</td>
</tr>
<tr>
<td>Packaging</td>
<td>18 kg plastic bucket + 2 kg of colour kg</td>
</tr>
<tr>
<td></td>
<td>UB1 Colour: 18 kg plastic bucket + 4.5 kg of colour.</td>
</tr>
</tbody>
</table>

### LEED® Credits

<table>
<thead>
<tr>
<th>Thematic area</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy &amp; Atmosphere</td>
<td>EAp1 - Minimum Energy Performance</td>
<td>mandatory</td>
</tr>
<tr>
<td></td>
<td>EAp2 – Minimum Performance of matt package</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EAc1 - Optimize Energy Performance</td>
<td>From 1 to 27</td>
</tr>
<tr>
<td></td>
<td>EAc2 – Advanced performance of matt package</td>
<td>2</td>
</tr>
<tr>
<td>Materials &amp; Resources</td>
<td>MRp2 – Construction Waste Management</td>
<td>mandatory</td>
</tr>
<tr>
<td></td>
<td>MRC2 - Construction Waste Management</td>
<td>From 1 to 2</td>
</tr>
<tr>
<td></td>
<td>MRC3 – Low Emitting Materials</td>
<td>From 1 to 3</td>
</tr>
<tr>
<td></td>
<td>MRC4 – Recycled Content</td>
<td>From 1 to 2</td>
</tr>
<tr>
<td></td>
<td>MRC5 – Regional Materials</td>
<td>From 1 to 2</td>
</tr>
<tr>
<td></td>
<td>MRC6 – Rapidly Renewable Materials</td>
<td>2</td>
</tr>
</tbody>
</table>

---

Décorative

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn’t know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company’s technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on [www.diasen.com](http://www.diasen.com).
Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn’t know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company’s technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.

DECORK

Cork based decorative finish applicable on walls and floors (grain size 0 – 1 mm; 0 – 0.04 in).

<table>
<thead>
<tr>
<th>Thematic area</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy &amp; Atmosphere</td>
<td>EAp2 - Minimum Energy Performance</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>EAc1 – Optimize Energy Performance</td>
<td>From 1 to 19</td>
</tr>
<tr>
<td>Materials &amp; Resources</td>
<td>MRc2- Construction Waste Management</td>
<td>From 1 to 2</td>
</tr>
<tr>
<td></td>
<td>MRc4 – Recycled Content</td>
<td>From 1 to 2</td>
</tr>
<tr>
<td></td>
<td>MRc5 – Regional Materials</td>
<td>From 1 to 2</td>
</tr>
<tr>
<td></td>
<td>MRc6 - Rapidly Renewable Materials</td>
<td>1</td>
</tr>
<tr>
<td>Indoor Environmental Quality</td>
<td>IEQc3.2 - Construction Indoor Air Quality Management</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Plan—Before Occupancy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IEQc4.2 - Low Emitting Materials - Paints and Coatings</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Final performances</th>
<th>Unit</th>
<th>Regulation</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elasticity</td>
<td>60%</td>
<td>-</td>
<td>ISO 527-1 -</td>
</tr>
<tr>
<td>Crack Bridging Ability</td>
<td>2.5</td>
<td>mm</td>
<td>-</td>
</tr>
<tr>
<td>Weathering Test</td>
<td>1680 hours (10 year*)</td>
<td>hours/years</td>
<td>EN ISO 11507 -</td>
</tr>
<tr>
<td>Thermal conductivity (λ)</td>
<td>0.086</td>
<td>W/mK</td>
<td>EN 12667 -</td>
</tr>
<tr>
<td>Water vapour permeability</td>
<td>μ = 15</td>
<td>-</td>
<td>EN ISO 7783 -</td>
</tr>
<tr>
<td>Abrasion resistance of the system</td>
<td>Decork + Aquafloor Eco (shiny version)</td>
<td>Taber Wear Index</td>
<td>70</td>
</tr>
<tr>
<td>Abrasion resistance of the system</td>
<td>Decork + Aquafloor Eco (matt version)</td>
<td>Taber Wear Index</td>
<td>55</td>
</tr>
</tbody>
</table>

* 1680 hours of weathering test are equal to about 10 years. This equivalence is merely indicative and it may vary depending on the weather conditions of the place where the product will be used.

The above data, even if carried out according to regulated tests are indicative and they may change when specific building site conditions vary.
DECORK
Cork based decorative finish applicable on walls and floors (grain size 0 – 1 mm; 0 – 0.04 in).

In case of hydro-cleaning, wait for the complete drying of the support.
Potential humidity in the support or the vapour due to radiation may compromise the adhesion of the applied product.
On horizontal flat surfaces consider suitable scope to allow the water down flow.
Decork adheres to different kind of support without the primer, it is anyway recommended to perform a test to verify the adhesion or the need to use a primer.

Diathonite plasters or new plasters
Make sure that the plaster is well levelled so it is as smooth as possible. Otherwise, apply a layer of a suitable Diasen’s smoother (see technical data sheet). Both on plaster and directly on plaster apply the specific fixative D20 (see technical data sheet).
For the covering of external walls, it is recommended the use of the specific finish Diathonite Cork Render (see technical data sheet).

Old plaster
Make sure that the plaster is compact and well bonded to the support, otherwise partially or totally remove it and re-make it.
In case of painted plasters, according to the wide range of paints on the market, it is recommended to perform an adhesion test to verify the suitability for the application or the need to use the primer D20 (see technical data sheet).
On rough plasters, Decork, can directly be applied.
In case of dusty supports, use the fixative D20 (see technical data sheet).

Plasterboard
On plasterboard surfaces, make sure that the joints are sealed and smoothed. Apply the fixative D20 (see technical data sheet).

Concrete
In case of new realised cement substrate, this must be sufficiently cured.
In presence of lesions, holes or irregular areas, restore them with suitable cement mortar.
For a better adhesion on smooth and not moist concrete, it is recommended to smooth it, clean it and then apply Grip Primer (see technical data sheet).

For the treatment of iron bars, apply the Anticorrosive 2K (see technical data sheet).
To obtain a better adhesion on smooth and not absorbent concrete, it is recommended the use of Grip Primer (see technical data sheet).
On moist supports, in order to avoid blistering or detachment phenomena, use Vapostop (see technical data sheet).
If the support is affected by rising damp, it is necessary the use of WATstop (see technical data sheet). WATstop can also be used to fill small cracks and to level the support.
On rough concrete use the primer Vapostop.

Tiled floors
Make sure that the tiles are well bonded to the support, otherwise remove them and restore them with suitable cement mortar.
The tiled surface must not present traces of detaching substances as greases, oils, chemical products etc.
Carefully clean the support and treat the surface with Grip Primer (see technical data sheet).
To fill tiles joints and to create a perfectly levelled surface, use Vaposhield (see technical data sheet) applied by hand with steel or rubberized trowel in two coats. Vaposhield must be used even if the support is moist or affected by rising damp.
According to the wide range of tiles on the market, it is recommended to perform a test to verify the correct adhesion of the system.

Wood
Thoroughly clean the surface by removing dust, debris and detaching parts. The wood must be completely dry, well resistant and stable.
Treat the wooden surfaces with the primer Grip Primer (see technical data sheet) before the application of Decork.
Do not apply the product on wooden supports, matchboarding or on supports with many joints.

Metal
Thoroughly clean the surface by removing all dirt and potential varnishes not well attached.
Before the application of Decork, apply Grip Primer (see technical data sheet) on the surface.
In presence of rust, before the application of Grip Primer, treat the surface with Rust Converter (see technical data sheet).

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn’t know the peculiarity of the processing, or the characteristics of the support.
Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company’s technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.
DECORK
Cork based decorative finish applicable on walls and floors (grain size 0 – 1 mm; 0 – 0.04 in).

If the metal surface is painted, it is recommended to perform a test to verify the correct adhesion of the system.

Smooth surfaces
On particularly smooth and not absorbent surfaces use the specific primer Grip Primer (see technical data sheet).

For supports not mentioned in technical data sheet, please contact Diasen technical department.

Treatment of joints
Potential joints on the supports (joints between panels made of concrete or of other materials, expansion, control or insulation joints) must be treated, before the application of Decork, with the polyurethane sealant Diaseal Strong (see technical data sheet).

Treat points in contact with doorsteps or windows with the sealant Diaseal Strong.

MIXING
Always mix the product before the application with helical drill until obtaining a homogeneous mixture.
- Completely pour the content of the bag in the bucket and add the entire colour.
- Mix the compound for at least 2 or 3 minutes, until obtaining a mixture with uniform colour.
- The product is ready to use and generally it does not need to be diluted. In extremely hot climatic conditions, it is possible to add:
  - For hand application, maximum 5% of water (0.9 l of water each 18 kg packaging).
  - For hopper gun application, maximum 10% of water (1.8 l per 18 kg packaging).
- It is recommended to dilute the product always in the same way to avoid colour changes.
- Mix again the compound.
Never add other substances to the product.

APPLICATION
Application by hand
1. Wait for the complete drying of the primer possibly used.
2. Apply a first abundant coat of Decork by steel trowel with rounded edges. The first layer can be used as a smoothing layer to uniform the surface. In case of rain over not completely dry product, carefully verify the suitability of the next covering.
3. When the first layer is completely dry (about 10 hours at 23°C/73.4°F and 50% relative humidity), apply a second thin of product to finish. Do not use too much product for the second coat. For a better result and a more homogeneous coating, it is recommended to cross the coats.
4. Smooth as soon after the application with a 45° rounded edge plastic trowel
5. Application time: about 80/110 m² per day.

Application with hopper gun DS-Spray Gun
1. Wait for the complete drying of the primer possibly used.
2. The hopper gun must have:
  - minimum pressure of the compressor 5.0 bar;
  - nozzle diameter 8.0 mm.
3. Apply a first coat of Decork to cover the whole surface. In case of rain over not perfectly dry product, carefully verify the suitability of the next covering.
3. When the first coat is completely dry (about 10 hours at 23°C/73.4°F and 50% relative humidity), apply a second coat of Decork until complete covering of the substrate. To obtain a better result and a more homogeneous coating, it is recommended to cross the coats.
4. Do not smooth.
5. Application time: about 200/250 m² per day.

Decork can also be applied by spraying machine DS-5500 Texture Sprayer, nozzle diameter 4.00 mm, pressure level 4 (4.0 atm); in this case, the application time ranges from 700 and 800 m² per day.

Decorative
Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should be considered as indicative only and should be confirmed by exhaustive practical applications. Diasen doesn’t know the peculiarity of the processing, or the characteristics of the support. Therefore the applicator should carry out preliminary tests, to verify the suitability to the foreseen application, and in any case he will take the responsibility of the intended use. In case of uncertainties or doubts, please contact the company’s technical department, provided that this is only a simple assistance for the applicator: he should have the appropriate capabilities and experience to determine the more suitable solution. Always respect the latest update of the technical sheet available on www.diasen.com.
DECORK
Cork based decorative finish applicable on walls and floors (grain size 0 – 1 mm; 0 – 0.04 in).

At the end of the application of the second coat, to obtain a smooth surface, the finish Decork can be sanded and then protected with Aquafloor Eco (see technical data sheet).

For floor applications, the decorative finish Decork must always be protected with Aquafloor Eco (see technical data sheet).

To create decorative effects, the finish Decork must be applied in combination with Decorkoat (see technical data sheet) and must be sanded. Then protect the surface with Aquafloor Eco (see technical data sheet).

DRYING TIME
At a temperature of 23°C/ 73.4°F and 50% relative humidity, the product dries in about 10 hours.

• Drying time is influenced by environmental relative humidity and by temperature and may significantly change.
• Protect Decork during the drying from rain, frost, direct sunlight and wind for at least 2 hours at a temperature of 23°C/73.4°F.
• If applied in higher amount than the expected ones, drying time may significantly increase.

SUGGESTIONS
• Do not apply at environmental temperature or at support temperature lower than +5°C (41°F) and higher than +35°C (95°F).
• During summer season apply the product in the cooler hours of the day, away from sunlight.
• Do not apply with imminent threat or frost, in conditions of strong fog or with relative humidity level higher than 70%.
• Apply the product on completely dry surfaces.
• Protect the product from pouring rain until complete drying.
• Before the product application, it is recommended to cover each element that will not be coated.
• Store the unused product in the original packaging.

CLEANING
Wash tools with water right after the use.
When the product is completely dry, for the cleaning, it is recommended to use neutral and not aggressive detergents. Choose the most suitable cleaning method (sponge, brush or high-pressure water jet machine) according to the type of dirt.

SAFETY
While handling, always use personal protective equipments and respect the instructions described in product safety data sheet.