TECHNICAL SPECIFICATION
Updated: December 1, 2013

VARNISH KITCHEN SYSTEM
PRIMER BEFORE POLYURETHANE VARNISH (1) + C+ VARNISH (2)

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DESCRIPTION:
The Varnish Kitchen System includes 2 finishing products to seal Layered Polished Concrete by DecoMat’Pro:
1- A Primer Before Polyurethane Varnish
2- Bi
This system builds an extremely resistant protection film, reduces adhesion of dirt and facilitates cleaning.
In particular it is adapted for countertops, kitchen floors and floors exposed to stains (i.e. at hairdresser’s. In this case add “Ceram Hardener” (sold separately) which is resistant against colouring chemical products and migration of plasticisers, such as rubber).

APPLICATION AREAS:
- Indoors
- Floors exposed to stains
- Not adapted for surfaces that are permanently under water (such as shower floors).
- Refer to our Finishers Overview table to chose a product most adapted to your (available on our website or at our distributors’).

I// PRIMER BEFORE POLYURETHANE VARNISH

PRODUCT DESCRIPTION:
The Primer Before Polyurethane Varnish is ready-to-use white liquid.
It is used as impregnation and creates a film that blocks the surface and facilitates application of the varnish.
Class A+. Does not contain N-Methyl-2-pyrrolidone (NMP), it is a water-based non-toxic eco-friendly product.
Applicable in general in 2 layers. A 3rd layer might be necessary depending on the amount of varnish placed on previous layers.

NECESSARY TOOLS:
Microfibre roller 10 mm and extension pole.
Clean the tools with water immediately after use.

SURFACE PREPARATION:
In case the varnish is placed onto new Trowelled Concrete or INDUX®, the surface must have dried for at least 5 days at 20°C.
Surface moisture must be inferior to 1%.
The surface must be clean, dry and free of oil, grease or laitance traces.
On newly applied decorative concrete coatings profound vacuum cleaning is necessary.

APPLICATION:
Application temperature: + 15°C to + 25°C. Make sure that surface moisture is inferior to 1%.
Shake well the jerrican.
1st layer: dilute the primer with 20% of water in volume (for example for 1 litre of primer add 200 ml of water).
Place the first layer with a microfibre roller 10 mm in a uniform way. Cross your movements.
Start from the side with better lighting and place the product moving away from the light to observe the surface and rectify as soon as you notice a badly covered spot. Place some amount of the primer next to the window and spread uniformly towards the source of light.
Never leave ‘puddles’.
The first layer must be dry to touch before you place the second: leave to dry for 60 to 120 minutes.
Do not sand between the layers.
2nd layer: Place non-diluted product.
Place the 2nd layer in the same way as the 1st one.

3rd layer:
The 3rd layer is necessary for Concrete Look Seamless Floors.
Place non-diluted product.
Place the 3rd layer in the same way as the 2nd one.

TIPS:
Pour the product into coating pan/bucket, never pour it directly onto the surface.
The area must be sufficiently aerated, but avoid any draughts and direct sunlight during application and drying process.
Protect from dust.
If the room has underfloor heating, it must be turned off one day before the application.
The primer should be placed onto the sides and frontiers of your area at the same time as over the main zone to avoid the traces of a roller.

DRYING:
Leave to dry for 12 hours before placing the varnish.

COVERAGE AND PACKAGING:
Coverage: between 100 g/m² (onto Trowelled Concrete) to 150 g/m² (onto INDUX®) for all the layers (depends on surface porosity: Trowelled Concrete or INDUX®).
Packaging:
Can of 2.5 L or to cover 16.5 m² for INDUX® or 25 m² for Trowelled Concrete.
Can of 10 L or to cover 66.5 m² for INDUX® or 100 m² for Trowelled Concrete.

PRODUCT DESCRIPTION:
C+ Varnish is a protective polyurethane varnish consisting of 2 components (component A varnish + component B hardener).
It creates an extremely resistant protection film (especially against stains).
It is easy to apply due to its consistency.
It has a satin finish.
It can be semi-matt with addition of “Ceram Hardener” (in this case the initial colour of decorative concrete will be slightly modified). Refer to the specification of “Ceram Hardener”.
In general it is applicable in 2 layers. The 3rd layer might be necessary depending on the quantity of varnish placed on previous layers.

NECESSARY TOOLS:
Flocked foam or microfibre roller (10 mm), extension pole.
The tools must be cleaned with water immediately after use.

SURFACE PREPARATION:
New decorative concrete coatings must be well impregnated with the Primer at least 12 hours before the use of Bicomponent Varnish.
Surface moisture must be inferior to 1%.
In case of renovation the surface must be clean, dry and free of oil, grease or laitance traces.
The surface must be well cleaned with our «Intensive Shampoo Before Restoration». The surface must also be polished with a single-disk polisher (refer to Maintenance of Aqua Varnish guide).

MIX PREPARATION:
Shake well varnish cans and hardener cans.
Mix the varnish and the hardener keeping to the following proportions:
4 parts of varnish (component A) with 1 part of hardener (component B)
For example: 2 litres of varnish component A + 0.5 litre of hardener component B.
It’s the hardener that must be added to the varnish and not vice versa.
Leave the mix aside for 10 minutes before application.
Caution: the mix can be used only within 1 hour. Thus, do not mix varnish + hardener in quantities that cannot be used within this time.
If the temperature is elevated, the longevity of conservation of the mix in a container will decrease considerably.
Do not close hermetically the container with the mix: it will react within the container forming reaction gas.
APPLICATION:
Application temperature: +15°C to +25°C.

1<sup>re</sup> couche:
Place the first layer with a microfibre roller 10 mm in a uniform way.
Start from the side with better lighting and place the product moving away from the light to observe the surface and rectify as soon as you notice a badly covered spot. Place some amount of the primer next to the window and spread uniformly towards the source of light.
Never leave ‘puddles’.
Leave to dry for at least 2 hours, but place the second layer the same day.

2<sup>de</sup> layer:
Place the 2<sup>de</sup> layer in the same way as the 1<sup>re</sup> one.

3<sup>me</sup> layer:
Might be necessary depending on the amount of varnish placed on previous layers.
Place the 3<sup>me</sup> layer in the same way as the previous ones.

TIPS:
Pour the product into a coating pan/bucket: never pour it directly onto the surface.
The area must be sufficiently aerated, but avoid any draughts and direct sunlight during application and drying process.
Protect from dust.
If the room disposes underfloor heating, it must be turned off one day before the application.
The varnish should be placed onto the sides and frontiers of your area at the same time as over the main zone to avoid the traces of a roller.

FINAL DRYING/RETURN TO SERVICE:
Dry to touch: 2 hours.
Allowed to step on: 24 hours after the last layer of varnish.
At room temperature the protection film will achieve its definitive resistance after 7 days.
The system Decorative Concrete + Sealer will achieve its maximal hardness after 28 days.
During the first 10 days after application:
- Do not cover with films, carpets.
- Do not move heavy furniture.
- Apply only dry cleaning: never moisten.

ROUTINE MAINTENANCE:
Regular maintenance is necessary.
It’s frequency varies depending upon the use of the area and a chosen sealer.
In order to preserve the product and sealer, we advise to:
- Place the felt pads under the legs of the furniture, chairs etc.
- Not to leave any coloured water spots or grease stains… Wipe them out as soon as possible (within 30 minutes)
- Mecanically caused deterioration may accelerate the wear of the varnish.
- Isolate flowerpots.
- For regular maintenance use DecoMat’Pro «Cleaning Shampoo For Aqua Varnish».
- To remove stains use DecoMat’Pro «Stain remover».

RENOVATION:
Clean well the surface with «Intensive Shampoo Before Restoration».
Rinse well with clean water, if necessary repeat several times. Leave to dry.
Polish with a green pad, use a single-disc polisher. Clean with a vacuum cleaner.
Place 1 to 2 layers of Bi Aqua Varnish Kitchen keeping to the instructions above.
For more precisions see Maintenance of Aqua Varnish Guide.

COVERAGE & PACKAGING:
Coverage
100 g per m² for all the layers.
Packaging:
- 1 litre of varnish + 250 ml of hardener: 12.5 m²
- 2 litres of varnish + 0.5 litres of hardener: 25m²

ASSOCIATED PRODUCTS DecoMat’Pro:
Trowelled Concrete
INDUX®
Cleaning Shampoo for Aqua Varnish
RECOMMENDATION AND WARNING:
- See the most recent version of this technical specification (www.concrete.decomatpro.com). Our distributors are at your disposal for any clarification.
- Performance and durability guarantees for the decorative coating may be given only in case a complete system of DecoMat’Pro products is used (primer, product itself, sealer) and strictly according to instructions for application and maintenance of the system. Thus, the manufacturer will not be liable for poor product’s performance if an application did not conform to our instructions and if the integral system was not used.
- All the information, tips and advice relative to final illustration of DecoMat’Pro products are given in good faith. They are based on knowledge and experience that DecoMat’Pro has acquired so far regarding its products that were appropriately stored and handled, and applied in normal conditions. In practice, the differences between materials, surfaces and specific application conditions are such that provided information, written recommendations or given advice do not imply any warranty of merchantability other than the legal warranty against hidden defects.
- Colours and aspects in our colour charts are indicative, and cannot be considered as contractual. The same is applied for boards and panels displayed at retail outlets. It is preferable to use identical samples as much as possible. These products lead to results with subtle differences that can also arise depending on application conditions (applicator’s gestures, temperature etc).

SAFETY / PRECAUTIONS:

Primer Before Polyurethane Varnish:
Components: polymers, solvents, additives.
Limit value for the VOC in the product (Cat. A/i): 140 g/l (2007/2010). Ready-to-use product contains maximum 110 g/l VOC.
Professional applications can be given Safety Data Sheet on request. Keep locked and out of children’s reach. Packaging must be totally empty for recycling. Protect from the frost.
Product can be stored in its original unopened container, temperature between +5°C and +25°C.

C+ Varnish Component A:
Components: polymers, solvents, additives.
Limit value authorised in European Community in the product (Cat. A/j) : 140 g/l (2007/2010). Ready-to-use product contains maximum 140 g/l VOC.
Professional applications can be given Safety Data Sheet on request. Keep locked and out of children’s reach. Packaging must be totally empty for recycling.
Close containers immediately after use, empty them quickly.
Product can be kept in its original unopened container, temperature between +5°C and +25°C.

Hardener Varnish Component B:
Components: aliphatic polyisocyanate, oligomers of hexamethylene diisocyanate, oligomers of isophorone diisocyanate, solvents. Harmful by inhalation. Irritating to respiratory system. May cause sensitisation by skin contact. Store the container in a well ventilated place. Do not inhale the vapours. Avoid contact with skin, put on adapted gloves. Keep locked and out of children’s reach. Contains isocyanates. Refer to information provided by the manufacturer. Dispose of this material and its container at hazardous or special waste collection point. Deliver a fully emptied container to the recyclable collection service. Store in original container in a place protected from humidity, temperature between +5°C and +30°C.

In accordance with the new French regulations that establish limit value for the VOC (Volatile Organic Compound) present in constructions materials, this product DecoMat’Pro respects the environment. This regulation states that construction and decoration products must be provided with a label indicating the level of volatile organic compound emission in a simple and readable way. We have the pleasure to confirm that this product is A+ (the lowest possible VOC emission value).