

# eurocol 350

the strong connection



## LIQUIDDESIGN

Resilient liquid floor with a natural look & feel and aesthetic appearance. 2-component liquid mass with a balanced mix of natural components such as cork, wood flour, modified castor oil and binders based on renewable raw materials. Available in 22 modern colours

### PRODUCT TYPING

Base	2-component liquid mass with a balanced mix of natural components such as cork, wood flour, modified castor oil and binders based on renewable raw materials. Component A: B 12.5: 4.5
Color	22 modern colours.
Consistency	Thick, liquid.

- Environmentally friendly
- Very low emissions
- Emicode EC 1PLUS
- Easy to process
- Low tension
- Resilient
- Excellent adhesion
- Layer thickness approx. 2 mm

### PROPERTIES

Bureau Wheelchair resistance	Suitable for use with desk wheelchairs. EN 425
Colour fastness	8 blue wool scale. EN-ISO-105-B2
Consumption	2.7 kg/m <sup>2</sup> .
Frost resistance	No.
Passableness	After 12 hours.
Person-charge	< 0,5 kV. EN 1815
Shore D	Approx. 40 Shore D.
Slip resistance	DS: ≥ 0.45. EN 13893. R9 DIN 51130
Slip test	SRT pendulum dry: between 55 - 70, wet: >25. BS7976-2+A1
Specific weight	1.36 kg/l (A+B).
Thermal resistance	0.043 m <sup>2</sup> x K/W.
Fire class	: Bfl-S1. EN 13501-1
Rest impression	: Approx. 0,02 mm. EN ISO 24343-1

### APPLICATION

Creates a beautiful and permanently resilient liquid floor with a natural look & feel on a pre-levelled surface. Thanks to the use of natural and renewable raw materials, this liquid floor is environmentally friendly.

### PROCESSING

Layer thickness	Approx. 2 mm
Storage	Store in a cool and frost-free place (between 10° - 30 °C and never in direct sunlight)

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<b>Tools</b>	836 Decokam holder 28cm. 837 Decokam insert strip no. 78. Eurocol 855 mixing rod. Stainless-steel bleed roller. Mixing bucket for 350 LiquidDesign Mixing bucket for 355 LiquidDesign Finish Sieve approx. 400 µm. Standard pinhole soles with studs (for applying 350 LiquidDesign). Pinhole soles with flat studs for coating (pin diameter min. 10 mm). Microfibre-type paint roller 11 mm width 250 mm and/or 500 mm.
<b>Use class</b>	Very heavy commercial use. Class 33
<b>Processing time</b>	Approx. 30 minutes (depending on climate conditions).
<b>Drying</b>	fully hardened after 8 days*. May be painted over after min. 12 hours
<b>Shelf Life</b>	9 months in unopened packaging.

\* The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.

#### Substrate:

- 350 LiquidDesign must always be applied to a levelled underfloor. The underfloor must be rigid, pressure-resistant and tear-resistant, free of cracks. The underfloor must also be clean, permanently dry and free from grease and dirt, in accordance with the requirements of DIN 18365. The underfloor should preferably be levelled with 924 Europlan Hybrid. Cement-based underfloors can also be levelled with 960 Europlan Super. The flatter the floor, the better the end result will be. It is therefore recommended that the levelling layer, after complete drying, be lightly sanded with a gauze of grade 100 or finer and then made thoroughly dust-free with an industrial vacuum cleaner.
- 350 LiquidDesign is not suitable for the flattening out of surfaces.
- Before levelling the surface, it must be thoroughly primed. This is important to ensure good adhesion of the levelling layer to the surface, but the primer also serves to prevent air holes in the top layer of the levelling, so that it cannot penetrate into the 350 LiquidDesign. This makes it necessary to prime highly porous subfloors and repaired areas twice. The first primer coat must be completely dry before applying the second primer coat. The choice of primer depends on the type of surface.
- Non-ventilated subfloors or subfloors poured directly on the sand bed, etc., must be provided with a moisture barrier instead of the above-mentioned primer layer.
- After sufficient drying of the levelling layer, sanding it lightly and making it dust-free, it must first be primed with 049 Europrimer ABS. After sufficient drying (min. 2 hours), a second primer layer of 043 Europrimer Alphy should be applied. Both primers are applied using a roller. This applies to both 924 Europlan Hybrid and 960 Europlan Super. The total primer layer must dry out for min. 12 hours (overnight).
- Any dilations that exist in the substrate must be respected and must always be followed into the 350 LiquidDesign.
- Always consult our technical product information sheets beforehand. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.

#### Instruction manual:

##### **Step 1. Preparation:**

- Order sufficient product from one batch for large flooring projects.
- For all A-component buckets (per colour) to be processed, check that the batch number is the same. This is done to prevent colour differences in the end results.
- Check that all required tools are present.
- Ensure that the material is sufficiently acclimatised (min. 24 hours before processing).
- Check the residual moisture percentage (anhydrite floors max. 0.5% CM, cement screeds max. 2.5% CM), floor temperature and climate conditions to ensure that they meet the required specifications. Also determine the dewpoint on the floor surface using e.g. a Caisson LVT-15 Thermo/Hygrometer. The surface temperature of the floor must be at least 3 °C above the dewpoint.
- Avoid direct sunlight while working. If necessary, cover windows with e.g. cardboard.

##### **Step 2. Mixing:**

- Mix the material (speed approx. 300 rpm) using a mechanical mixer, preferably in a separate room next to the room in which the 350 LiquidDesign floor is being installed.
- Protect the floor and walls etc. of the mixing site with e.g. stucco runners or an equivalent protective material and fix it to the substrate using a suitable tape.
- Shake the still closed can with component B gently, open it and add the entire contents to component A. Then stir the mass into a homogeneous mixture (mixing time min. 2 minutes).
- Pour the LiquidDesign mass into a clean, empty bucket, then mix again for min. 1 minute.
- When processing several buckets of LiquidDesign, the same mixing time must be observed for each bucket, e.g. by using a stopwatch. The mixed LiquidDesign mass must also be processed immediately. Good communication between the mixer and processor is therefore essential.

##### **Step 3. Processing:**

- If a few holes have nevertheless developed in the levelling layer, they can be closed with LiquidDesign using e.g. a putty knife before applying the 350 LiquidDesign floor.
- Spread the 350 LiquidDesign mass evenly on the floor using the Decokam no. 78 with a layer thickness of approx. 2 mm. Never apply a layer thickness that exceeds 2.5 mm. An uneven distribution can disturb the aesthetic appearance of the surface of the 350 LiquidDesign floor.
- Change the Decokam comb regularly (after approx. 300 m<sup>2</sup>) so that the correct layer thickness is always applied.
- Make sure that the LiquidDesign mass is not loaded with moisture (such as sweat drops) to prevent issues such as bubble formation in the top layer.
- Immediately after applying the 350 LiquidDesign layer, roll it using a stainless-steel bleed roller to achieve an even distribution of the cork particles. Use standard pinhole soles (with pre-sharpened studs to prevent the primer layer from breaking) to be able to walk through the wet applied LiquidDesign. It is preferable to no longer walk through the rolled mass.
- After a drying time of min. 12 hours, the 350 LiquidDesign liquid floor becomes walkable and is sufficiently dry to be further finished with 355 LiquidDesign Finish. This paint system must be applied within 48 hours.
- Clean the tools immediately after use with 358 ToolCleaner, rinse them with tap water and then leave them to dry out well.

##### **Step 4. Finishing with 355 LiquidDesign Finish:**

- Check the floor surface for the presence of dust or any other contaminating particles. If they are present, remove them.

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- Avoid leaving footprints on the floor by wearing shoe covers.
- Shake the can of component A thoroughly before use while it is still closed.
- Pour the base material (component A) into a mixing bucket and add the hardener (component B) fully mixed to it.
- Mix the 2-component 355 LiquidDesign Finish with a mechanical paint mixer (speed approx. 300 rpm) for min. 3 minutes.
- Pour the mixed 355 LiquidDesign Finish through a sieve (approx. size 400 µm) into a clean, empty bucket, then mix again with a clean paint mixer for min. 1 minute.
- After a waiting time of approx. 10 minutes, the mixed 355 LiquidDesign Finish can be applied.
- Distribute the finish layer evenly over the floor surface using an 11 mm microfibre roller pre-saturated with 355 LiquidDesign Finish (consumption between 125 - 150 g/m<sup>2</sup>).
- Immediately after applying the finish layer, roll then afterwards with a wet, saturated roller. Depending on the size of the floor surface, a roller width of 250 mm or 500 mm can be selected.
- The application of one coat of 355 LiquidDesign Finish is sufficient.
- When applying the finish layer, use pinhole soles with flat studs (diameter min. 10 mm) to avoid making depressions in the 350 LiquidDesign floor. Keep walking in front of the roller.
- After 24 hours, 80% curing of the varnish has been reached and the floor is now walkable with care.
- The finish layer is completely cured after 8 days. Thus, it is important that during these 8 days the floor is not loaded with dirt and/or moisture, as this may lead to a damaged floor finish. It may only be covered with a vapour-permeable but liquid-tight cover fleece.
- Remove fresh (not yet hardened) paint spots directly with water. After hardening, the material can only be removed mechanically.
- Clean the tools immediately after use with tap water, then leave them to dry out well. Do not re-use microfibre rollers.
- Always consult our technical product information sheets beforehand. When in doubt about the use of the product, please contact our Technical Help Desk.
- Avoid contact with eyes and skin and use suitable personal protective equipment (see safety data sheet).

#### More information:

- Keep out of reach of children.
- Ventilate the room thoroughly during and after the processing and drying process.
- Do not eat, drink or smoke while processing this product.
- In the event of contact with eyes or skin, flush with plenty of water immediately.
- Only return packaging for recycling after removing any residues.
- Dispose of product residues and cleaning fluids according to your local environmental regulations and do not dispose of them into drains.
- For detailed information about safety measures, please refer to the safety data sheet on our website [eurocol.nl](http://eurocol.nl).
- Component B contains isocyanates. May cause an allergic reaction.

#### Tips for keeping your LiquidDesign floor looking beautiful:

- We recommend using 312 Conditioner for cleaning and maintenance of LiquidDesign liquid floors. This protective film makes it more difficult for dirt to adhere to the floor. If used regularly, it preserves the appearance of the floor (without a shiny effect). Never use chlorine or bleach!
- Ensure that there is a good clean-off system at the entrance.
- Among other things, provide chair legs with soft protection (e.g. cork or felt) and replace them in good time in the event of damage/wear.
- Provide rolling furniture with soft wheels.
- Point loading in the long term can lead to permanent damage and should be avoided.

#### Underfloor heating constructions:

LiquidDesign can be used on underfloor heating constructions. The underfloor heating startup protocol must be fully implemented in advance according to the supplier's guidelines. Switch off the heating one day before application; switch the heating back on again at least 72 hours after painting, in steps of a maximum of 5°C water temperature per day. Ensure that the floor temperature does not exceed 29°C.

#### Processing conditions

Desired ambient temperature : 15° - 25 °C.

Temperature for material and underfloor : min. 15° - max. 20 °C

Relative humidity : 50 - 70%.

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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Hazard Class	See safety data sheet.
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste.
MSDS	Sent digitally or available on <a href="http://www.eurocol.nl">www.eurocol.nl</a> .

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## ITEM DATA

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Article	Definition	Packaging	EAN-code
350	LiquidDesign	Component B: Environmentally friendly jerry can (based on PE), 4,5 kg.	
350	LiquidDesign	Component A: Environmentally friendly bucket (based on PE), 12,5 kg.	

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Titanium	8 710345350464
Stone	8 710345350471
Pearl	8 710345350488
Ashes	8 710345350495
Silver	8 710345350501
Platinum	8 710345350518
Lead	8 710345350525
Zinc	8 710345350532
Concrete	8 710345350549
Steel	8 710345350556
Quartz	8 710345350563
Bark	8 710345350570
Diamond	8 710345350587
Grey Jade	8 710345350594
Sand	8 710345350600
Vintageblue	8 710345350617
Olive	8 710345350624
Lemon	8 710345350631
Deep Ocean	8 710345350648
Aubergoine	8 710345350655
Rust	8 710345350662
Charcoal	8 710345350679

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