



**COLORTEK®**

# LIQUID CRYSTAL **SEAMLESS FLOORINGS**

Decorative  
Clear Casting Resin

















# LIQUID CRYSTAL®

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## LAYERED ARTISTIC DESIGNS

Liquid Crystal is a designer decorative finish that allows you to transform your surroundings into a true expression of art.

By incorporating custom patterns, pigments, metallic particles, pearlescent effects, glitter or color-shifts into innumerable combinations, you can create seamless bespoke designs.

Liquid Crystal® is suited for both residential and commercial environments such as restaurants, bar areas, showrooms and luxury homes where a hard-wearing, attractive and customized floor finish is required.

With an unlimited color palette and design possibilities, your flooring can be changed and designed as you like to create stunning artistic finishes to suit any décor.





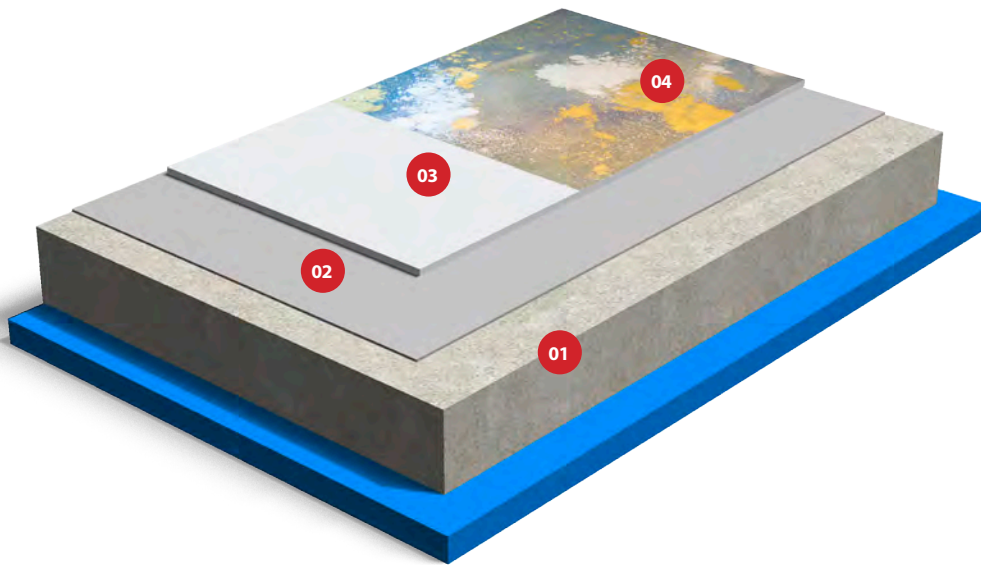






# LIQUID CRYSTAL TECHNOLOGY

## INSTALLATION, PROTECTION & MAINTENANCE



### 01 Concrete Substrate

When required, surface preparation should follow the guidelines of the International Concrete Repair Institute (ICRI) for CSP1 to CSP4. For additional details please refer to the Surface Preparation section of this brochure.

### 02 SX0 PrimeWell

Epoxy primer to seal and saturate porous concrete surfaces. When surfacing humidity is suspected, apply SX9 HumiGuard instead.

### 03 Neofiller or SX5 WorxGuard

Leveling basecoat.

### 04 Liquid Crystal

Any design is possible at this stage, from abstract to elaborate geometrical or organic patterns.

## TECHNICAL DATA

TEST	FEATURE	NORM	RESULT
	Indoor Air Quality	UNI EN ISO 16000-9:2006	A+ For Low VOC Emissions
	Solids Content		100%
	Spreading Rate		1,2 Kg/m <sup>2</sup> /mm
	Compression	ISO 604	80 N/mm <sup>2</sup>
	Bending Resistance		56 N/mm <sup>2</sup>
	Elongation at Break	ASTM D412	7,5 - 8%
	Elastic Modulus		1800 Mpa
	Slip Resistance	ASTM C1028 DIN 51130:2004	SRV >70 R12 for Good Slip Resistance











# QUESTIONS ABOUT LIQUID CRYSTAL®

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## How durable is Liquid Crystal®?

Applied and properly maintained, Liquid Crystal® should last indefinitely.

## Is Liquid Crystal® suitable for commercial & residential spaces?

Liquid Crystal® is a versatile decorative finish with high resistance to wear and tear suitable for any field of interior design.

## Can I apply Liquid Crystal® in bathrooms & showers?

Liquid Crystal® can be used in bathrooms and showers, especially when considering the installation of wall decorative panels.

## Will wine and oil stain my surface?

The properties of Liquid Crystal® can protect the flooring from spilled liquids such as wine, coffee or oil.

## Can Liquid Crystal® be used with underfloor heating systems?

Yes, Liquid Crystal® can be used with floor heating systems.

## Are different finishes, textures & colors possible with Liquid Crystal®?

The design possibilities of Liquid Crystal® finishes are limitless as any type of design applied onto the base coat will be protected and highlighted by the Liquid Crystal® casting. The addition of iridescent powders, pearl effects, natural clay, luminescent and phosphorescent pigments allow the creation of an infinite number of results, limited only by the range of the artist's creativity.

## Can Liquid Crystal® be applied on terrazzo?

In the presence of terrazzo tiles, we recommend the application of an additional coat of neofiller. Terrazzo tiles come in a wide variety and differ greatly in their material composition with some highly prone to humidity permeability. Neofiller being a highly efficient humidity blocker, the additional coat will help in preventing surfacing humidity.

## Can Liquid Crystal® be applied on ceramic tiles?

Ceramic tiles should be slightly sanded to promote adherence and when applying on ceramic tiles, it is important to remove or block the joint tiles with our Colortek® epoxy joint filler SX2 FillWell. Ceramic tiles joints are traditionally filled with cement-based tiling grout which is prone to letting humidity pass and the epoxy based SX2 FillWell grout with an additional coat of neofiller will prevent the ghosting effect.

## How to avoid water filtration when cleaning?

When applying Liquid Crystal® it is important to apply it flush to the wall and to create a virtual skirting that impedes water filtration underneath the decorative coat by applying a protective transparent sealer up to 3 cm vertically.

## What is the difference between SX0 and SX9?

Colortek® SX9 HumiGuard has additional humidity blocking and grip properties which can help preventing surfacing humidity while providing additional grip to subsequent layers of the Liquid Crystal® system.

# ROUTINE MAINTENANCE

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## If the floor is to be washed

- Sweep or vacuum the floor to remove dust and debris using a soft bristle broom.
- Dilute a PH neutral detergent in clean water. Apply the solution to the floor, using a soft-medium pad.
- It is important that all detergent residue is removed from the surface of the floor, because detergent can become slippery, which affects safety, or may remain sticky which attracts and holds more dirt.
- Periodically treat the surface with protective products based on self-polishing waxes dispersed in water.

## Tips for successful maintenance

- Provide a doormat at the entrance that can trap dust, sand and abrasive particles.
- Put felt pads under the furniture, especially movable articles like chairs.
- In the event that heavy furniture has to be moved, place woollen cloth at the base of the furniture.
- Before carrying out painting, electrical or plumbing works, protect the floor with cardboard, woollen blankets and nylon sheets.
- Even if the protective topcoat treatment protects the finish, it is recommended to quickly clean all stagnant spills of aggressive liquids such as wine, oils, vinegar and coffee.





[www.colortek.eu](http://www.colortek.eu)  
[info@colortek.eu](mailto:info@colortek.eu)



**Synergy, Added Value, Continuous Improvement,  
Diversity, Integrity, Social Responsibility.**