

COLORTEK® EPOXY RANGE

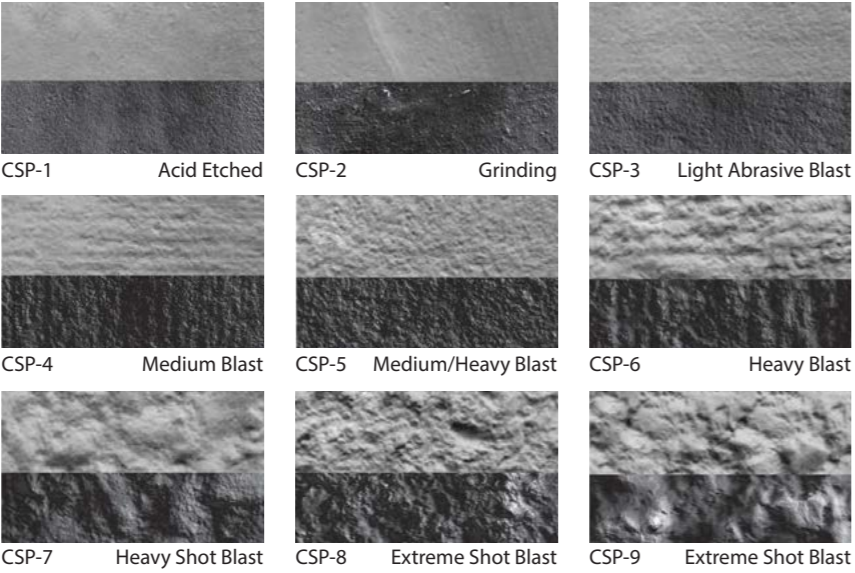
Offering best-in-class performance and the ultimate protection for concrete floors, the Colortek® Guard range has been specifically developed to comply with the most demanding requirements, especially when it comes to durability, mechanical properties and chemical resistance.

Recommended surface preparation should follow the guidelines of the International Concrete Repair Institute (ICRI).




Key to the guidelines is ICRI's Concrete Surface Profile (CSP) classifications, a system of ten distinct textures ranging from CSP1 (nearly flat) to CSP10 (extremely rough) used as a visual representation of desired concrete surface textures, roughness and general appearance.

The guideline designates each CSP classification as a suitable base for specific coating types and thicknesses.

The Concrete Surface Profile (CSP) also describes the method(s) or equipment typically used to achieve the texture according to the CSP classification.



PRODUCT	DFT (Microns)	CSP-1	CSP-2	CSP-3	CSP-4	CSP-5
Sealer or primer	0 to 75					
Epoxy coating	100 to 300					
Epoxy self-leveling	1000 to 3000					
Screed S	Above 3000					

PROFILE	METHOD	NOTES
CSP-1	Acid etching	Diluted hydrochloric acid is applied onto the floor. This method does not remove surface contaminates such as oil and grease, which must be removed before the etching process. 
CSP-2	Grinding	A diamond grinder uses horizontally-rotating discs to level, smooth and clean the concrete slab surface. 
CSP-3 to CSP-7	Shot blasting	Thousands of steel shot particles are propelled onto the surface, removing the top layer and contaminates on the concrete surface. 

ADDITIONAL EFFECTS

Colortek® Light Reflective Additive

Highly transparent light reflecting and round beads are added to the wet surface allowing for better visibility at night and in low light conditions.

Available Weights

- 800 grams
- 25 Kilograms



Colortek® Anti-Skid Additive

A Specific type of anti-skid additive is broadcasted on the wet coat to attain a rough anti-slip texture.

Available Weights

- 750 grams
- 25 Kilograms



EPOXY RANGE GUIDE

A Product Range
For Your Wildest Designs
& Most Demanding Requirements



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

EPOXY PRIMERS & FILLERS					EPOXY FINISHES								TOP COAT
	SX0 PrimeWell	SX9 HumiGuard	SX47 StopRust	SX2 FillWell	SX1 ToughGuard	SX5 WorxGuard	SX50 IndustryGuard	SX60 HealthGuard	SX70 RampGuard	SX80 ScreedGuard	SX20 OnVidro	SX40 GranoFix	Oxibond 4420
PRODUCT													
DESCRIPTION	2-pack, transparent solvent based epoxy primer.	3-pack, solvent-free, humidity barrier epoxy primer.	2-pack, zinc-rich anti-corrosive epoxy primer.	3-pack, solvent-free epoxy filler and grout.	2-pack, solvent-based, general purpose epoxy primer-top coat for light to medium traffic and industrial maintenance works.	2-pack, high-build, solvent-free, self-leveling epoxy paint for medium to high traffic purposes.	3-pack, high-build, self-leveling, solvent-free epoxy paint for heavy traffic purpose.	2-pack, anti-microbial, self-leveling, high-build, solvent-free epoxy with enhanced hygienic properties.	2-pack, high-build, solvent-free epoxy paint with special viscosities and performances to ease application on ramps or inclined surfaces.	3-pack, solvent-free industrial screed for refurbishment of concrete, and other floor surfaces.	2-pack epoxy that serves as both a primer and a finish to create colored back-painted glass and other accents & decorations on smooth surfaces.	3-pack, thin-set, high-performance, solvent-free decorative coating system consisting of a 2 pack epoxy binders with colored aggregates that define the final appearance.	1-pack, UV-resistant, polyurethane top coat.
	دهان أساس ايبوكسي شفاف صمم ليستخدم على الخرسانة والأسطح المسامية مما يضمن قوة التصاق وتماسك عالية قبل استخدام أي صنف من عائلة الاليبوكسي.	دهان ايبوكسي شفاف مقاوم للرطوبة صمم ليستخدم على الخرسانة والأسطح المسامية مما يضمن قوة التصاق وتماسك عالية قبل استخدام أي صنف من عائلة الاليبوكسي.	دهان ايبوكسي مكون من مركبين صمم خصيصا للإستخدام المباشر على الحديد. مقاومة عالية للجنزار.	معجونة ايبوكسية خالية من المذيبات تتكون من ثلاث مركبات ذات متانة عالية. صممت لملء الفراغات وترميم الشروخ في الأسطح الخرسانية قبل استخدام أي صنف من اصناف النهي.	دهان ايبوكسي مكون من مركبين يصلح للاستخدام على الأرضيات ذات الأحمال الخفيفة و المتوسطة. صمم لحماية الأرضيات والجدران الخرسانية في المناطق السكنية والأماكن العامة التي تتعرض لحركة مرور مثل مراكز التسوق والمكاتب والفنادق والمواقف. يستخدم أيضاً لتجديد البلاط ، السيراميك و الأحواض في دورات المياه.	دهان ايبوكسي ذاتي التسوية مكون من مركبين خالي من المذيبات يصلح للاستخدام على الأرضيات ذات الأحمال المتوسطة و الثقيلة. صمم لحماية المناطق التي تزداد فيها كثافة حركة المرور مثل ممرات مواقف السيارات و في المصانع والمخازن و حظائر الطائرات. سماكة من ٢٠٠٠ ميكرون إلى ٥٠٠٠ ميكرون.	دهان ايبوكسي ذاتي التسوية مكون من مركبين خالي من المذيبات ذو خصائص صحية صمم ليستخدم خصيصاً في مصانع الأدوية ، المختبرات ، المستشفيات و المطابخ الصناعية. إبتداءً من سماكة ٥٠٠ ميكرون.	دهان ايبوكسي ذاتي التسوية صمم ليصلح للاستخدام على الأرضيات ذات الأحمال المتوسطة. صمم خصيصا ليستخدم في المنحدرات كما في المصانع ومواقف السيارات.	عبارة عن مونة ايبوكسية مكونة من ثلاث مركبات خالية من المذيبات تستخدم لتسوية وترميم الأسطح الخرسانية والأرضيات. سماكة من ٢٠٠٠ ميكرون إلى ١٠٠٠٠ ميكرون.	دهان ايبوكسي مكون من مركبين صمم خصيصا للزجاج. إمكانية استخدامه على الأسطح الناعمة جدا مثل السيراميك إلخ...	دهان ايبوكسي مكون من مركبين + حبيبات، صمم لديكور الأرضيات.	دهان ايبوكسي مكون من مركبين صمم خصيصا للزجاج. إمكانية استخدامه على الأسطح الناعمة جدا مثل السيراميك إلخ...	دهان بولي يوريثان مقاوم للإصفار – وجه نهائي – قدرة عالية لتحمل العوامل الخارجية.
TRAFFIC												Depending on aggregates	
DFT / COAT	20-40 Microns	200-300 Microns	30-60 Microns	No Limits	75-150 Microns	500-2000 Microns	2000-5000 Microns	500-1000 Microns	500-1000 Microns	2000-10 000 Microns	75-150 Microns	Depending on aggregates	400 Microns
POT LIFE	3 Hours	30 Minutes	60 Minutes	20 Minutes	2 Hours	80 Minutes	30 Minutes	80 Minutes	30 Minutes	30 Minutes	2 Hours	20 Minutes	
COLORS	Clear	Clear	Grey RAL 7012 & White	Cream	Can be tinted to any color	Can be tinted to any color	Can be tinted to any color	Can be tinted to any color	Can be tinted to any color	Grey	Can be tinted to any color	Depending on aggregates	Pastel Colors
AREA OF USE	Designed to seal and saturate well-cleaned and porous concrete surfaces to ensure adhesion between the epoxy coat and the substrate.	Designed to seal and saturate well-cleaned and porous concrete surfaces to ensure adhesion between the epoxy coat and the substrate where surfacing humidity is a concern.	Applications on iron & steel in very aggressive environments to prevent and combat rust.	Extremely hard epoxy filler/ grout designed to repair and fill any imperfections and irregularities no matter their thickness in both walls and floors before over coating.	Designed to protect concrete in residential and public areas exposed to light and medium traffic such as malls, offices, hotels, restaurants, villas and building garages. SX1 can also be used to renovate tubs and tiles.	Designed to protect concrete substrates in areas exposed to medium and high traffic such as research laboratories, car parks, warehouses and factories.	Designed to protect concrete substrates in heavy-duty areas such as factories, warehousing, airfield workshop and car parks with heavy traffic.	Designed to protect floors where strict hygienic control is essential. SX60 is ideal in processing plants, pharmaceutical industries, clean rooms, laboratories, hospitals, industrial kitchens, etc.	Designed to protect concrete substrates in areas exposed to medium and high traffic such as research laboratories, car parks, warehouses and factories.	Designed for the most demanding flooring specifications, such as extreme and frequently heavy forklifts traffic areas or industrial workshops.	To beautify functional glass surfaces and add character to interior and exterior areas in residential and commercial projects.	Ideal for commercial, industrial, and institutional facilities, especially where aesthetics, durability, longevity, and minimal maintenance are crucial.	Designed to protect epoxy finishes from UV radiation and discoloration in exterior areas exposed to sunlight and heavy abrasion, such as roof car parks, garages and warehouses.
FEATURES	<ul style="list-style-type: none">■ Promotes adhesion of subsequent coats■ No dilution needed■ Excellent penetration properties■ Seals absorbent concrete substrates	<ul style="list-style-type: none">■ Prevents ground moisture from surfacing■ Promotes adhesion of subsequent coats■ No dilution needed■ Seals absorbent concrete substrates	<ul style="list-style-type: none">■ Zinc rich■ Combats rust■ Resistant to water■ Resistant to chemicals■ Resistant to aggressive conditions	<ul style="list-style-type: none">■ Prevents ground moisture from surfacing■ Hygienic properties■ High strength■ No shrinking■ Waterproof■ Excellent chemical resistance	<ul style="list-style-type: none">■ Good abrasion resistance■ Good chemical resistance■ Optimum protection■ Resin rich■ Ideal to renovate tubs, tiles, blocked surfaces, etc.■ Excellent chemical, abrasion and impact resistance	<ul style="list-style-type: none">■ Solvent-free■ Odor-free■ Self-leveling■ High-build■ Excellent chemical, abrasion and impact resistance	<ul style="list-style-type: none">■ Solvent-free■ Odor-free■ High solid content■ Self-leveling■ High-build■ Excellent chemical, abrasion and impact resistance	<ul style="list-style-type: none">■ Inhibits microbial growth■ Odor-free■ Non-toxic■ Self-leveling■ High-build■ Excellent chemical, abrasion and impact resistance	<ul style="list-style-type: none">■ For inclined substrates■ Solvent-free■ Odor-free■ Self-leveling■ High-build■ Excellent chemical, abrasion and impact resistance	<ul style="list-style-type: none">■ Outstanding durability■ Outstanding adhesion■ Outstanding mechanical properties■ Solvent-free■ Odor-free■ High solid content■ Extreme high-build	<ul style="list-style-type: none">■ High adhesion on glass and smooth surfaces■ Resistant to water■ Resistant to mild chemicals■ Limitless choice of colors■ Available in metallic	<ul style="list-style-type: none">■ Solvent-free■ Odor-free■ Outstanding mechanical properties■ Decorative finish■ Excellent chemical, abrasion and impact resistance	<ul style="list-style-type: none">■ Outstanding UV resistance, color & gloss retention.■ Flexible coating.■ Exceptional resistance to oil, dirt pick up and grease.■ Excellent abrasion and chemical resistance.