



# 3-ROUND BURST

100% SOLIDS EPOXY - LV

## TECHNICAL DATA SHEET

### DESCRIPTION:

Enhance your spaces with 3-ROUND BURST! Easy to apply, this two component epoxy coating system possesses a low viscosity and results in eye catching color vibrancy and high gloss finish. Not only delivering stunning looks but superb chemical resistance properties too - the perfect choice for your creative project.

### ADVANTAGES:

Our product offers unique protection against moisture, bacteria and dirt with its dense surface that can be applied in multiple layers. It is also extremely easy to clean and contains no solvents - the VOC content being 75.4 g/L only for safe indoor use without any unpleasant odors. Additionally, it provides a secure adhesion on hard coatings as well as various substrates for excellent results every time!

### SURFACE PREPARATION:

#### OLD CONCRETE:

For successful application of 3-ROUND BURST, old concrete surfaces must be cleaned with a BLASTRAC machine or by sand blasting, diamond grinding at 30 grit or coarser, and/or water blasting. It is important to remove any oils and fats prior to product usage; acid etching may also be necessary followed by thorough rinsing. The substrate should not contain moisture when applying the primer - chloride levels as well as pH will need to be checked beforehand for optimal results. For lasting performance on aged substrates it is highly recommended that you use a primer before using 3- ROUND BURST!

#### NEW CONCRETE:

To ensure the concrete is high quality and durable, it must be allowed to cure for a minimum of 30 days before any additional procedures are implemented. Compression resistance should measure at least 25 MPa (3625 lb/inch<sup>2</sup>) after 28 days while traction strength needs to reach 1,5 MPa (218 lb/in<sup>2</sup>). To remove surface laitance resulting from curing processes such as BLASTRAC sand blasting or diamond grinding w/30 grit coarseness or higher, acid etching can be used followed by an extensive rinsing. Applying primer will further prevent out-gassing and enhance adhesion strength.

### MIXING:

To ensure optimal results, it is imperative that materials be pre-conditioned to a temperature of at least 50°F (10°C) before use. For the perfect blend, mix each component separately and pour Component B into Component A using an exact 2A:1B ratio by volume. Stir both components together for one minute with low revolutions from a drill (300 to 450 rpm); scraping down sides and bottom once throughout mixing helps create the desired homogenous texture. For best practice, only prepare enough mixture for immediate application as its pot life has limits!

### APPLICATION:

Ensure a seamless finish by applying mixed product to the prepared surface with even pressure, using a rubber rake and roller. Carefully avoid forming puddles for optimal results.

TECHNICAL DATA

<b>PACKAGING</b>	3 US gal (11.35 L)	
<b>COLOR</b>	PART A: Clear PART B: Clear to amber	
<b>RECOMMENDED THICKNESS</b>	<b>PRIMER (SINGLE SHOT)</b>	<b>FINISH COAT (SINGLE SHOT)</b>
<b>SOLID COLOR</b>	10 mils (150 ft <sup>2</sup> /gal)	16 mils (100 ft <sup>2</sup> /gal)
<b>FLAKES SYSTEM</b>	10 mils (150 ft <sup>2</sup> /gal)	13 mils (120 ft <sup>2</sup> /gal)
<b>METALLIC SYSTEM</b>	10 mils (150 ft <sup>2</sup> /gal)	40 mils (40 ft <sup>2</sup> /gal)
<b>SHELF LIFE</b>	12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.	
<b>MIX RATIO, BY VOLUME</b>	A:B = 2:1	
<b>MIX RATIO, BY WEIGHT</b>	Clear: A:B = 100:41-48 Colors: A:B = 100:39-45 With quartz sand : A:B = 100:50 Mixture = 200	
<b>POT LIFE 16 OZ (454 G)</b>	40-50 minutes @ 77°F (25°C)	
<b>OPEN TIME ON SUBSTRATE</b>	45-60 minutes	
<b>VOC</b>	75.4 g/L	

PROPERTIES @ 73°F (23C) & 50% R.H.

<b>SOLIDS CONTENT, BY VOLUME</b>	100%			
<b>SOLIDS CONTENT, BY WEIGHT</b>	100%			
<b>DENSITY (KG/L)</b>	<b>PART A</b>	<b>PART B</b>	<b>MIX</b>	
<b>CLEAR</b>	1.15	0.9 - 1.0	-	
<b>COLOURS</b>	1.15	0.9 - 1.0	-	
<b>THINNER RECOMMENDED</b>	Xylene			
<b>WAITING TIME/ OVERCOATABILITY</b>	<b>SUBSTRATE TEMPERATURE</b>	<b>MINIMUM</b>	<b>MAXIMUM</b>	
<b>BEFORE APPLYING SINGLE SHOT OVER PRIMER</b>	> 50°F (10°C)	24 hours	3 days	
	> 68°F (20°C)	12 hours	2 days	
	> 86°F (30°C)	6 hours	1 day	
<b>BEFORE APPLYING SECOND COAT OF SINGLE SHOT</b>	> 50°F (10°C)	30 hours	3 days	
	> 68°F (20°C)	24 hours	2 days	
	> 86°F (30°C)	16 hours	1 day	
<b>CURING DETAILS</b>	<b>SUBSTRATE TEMPERATURE</b>	<b>FOOT TRAFFIC</b>	<b>LIGHT TRAFFIC</b>	<b>FULL CURE</b>
	> 50°F (10°C)	30 hours	5 days	10 days
	> 68°F (20°C)	24 hours	3 days	7 days
	> 86°F (30°C)	16 hours	2 days	5 days
<b>SERVICE TEMPERATURE</b>	-4°F to 122°F (-20°C to 50°C)			

\* Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.

PROPERTIES @ 73°F (23C) & 50% R.H.

<b>BOND RESISTANCE (PSI), ASTM D4541</b>	> 300 (substrate ruptures)		
<b>PERMEABILITY (%), ASTM D570</b>	0.1%		
<b>HARDNESS (SHORE D), ASTM D2240</b>	85-90		
<b>ABRASIVE RESISTANCE, ASTM D4060 (CS17 / 1000 CYCLES / 1000 G)</b>	0.10 g		
<b>VISCOSITY @ 77°F (25°C)</b>	<b>PART A</b>	<b>PART B</b>	<b>MIX</b>
<b>CLEAR</b>	1650	65	700
<b>COLOURS</b>	1650	65	700
<b>TRACTION RESISTANCE (PSI), ASTM D638</b>	6500		
<b>COMPRESSIVE STRENGTH (PSI), ASTM D695</b>	14000		
<b>FLAMMABILITY</b>	Class I (Not considered Flammable, Flash Point > 199.4°F (93°C))		
<b>ELONGATION (%), ASTM D638</b>	6.7		
<b>RESISTANCE TO MOLD GROWTH, ASTM D3273</b>	Rated 10 (highest resistance)		
<b>RESISTANCE TO FUNGI GROWTH, ASTM G21</b>	Rated 0 (no growth)		

\* The indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage. \*

#### CLEANING:

Ensure all tools and materials used have been thoroughly cleaned. To avoid any potential irritation, remember to wash hands or skin with warm soap and water afterward. Once the epoxy has hardened it cannot be removed except through mechanical means such as scraping or sanding.

#### RESTRICTIONS:

To ensure optimal results, substrates should be kept between 50°F and 86°F (10°C - 30 °C) during coating application. Relative humidity must not exceed 85%, with the substrate temperature being at least 5.5 degrees Fahrenheit higher than dew point measurement to avoid water vapor transmission onto surfaces when applying coatings. For exterior use of products on ground level substrates, make sure to protect them from encountering any form of moisture for a period 24 hours after application in order to promote successful curing; otherwise surface discoloration may occur due UV radiation exposure over time



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### HEALTH & SAFETY:

Exposure to Components A and B of this product can cause serious risks to your health. Therefore, it is important that protective measures are taken when handling them: wear safety glasses as well as chemical resistant gloves; use a breathing apparatus approved by the NIOSH/MSHA for extra protection if needed; ensure appropriate ventilation in settings where these components are handled or stored. In case of skin contact, wash with water and soap immediately, while eye contact should be avoided completely. If there has been prolonged exposure causing irritation visit a doctor immediately – same goes for respiratory problems brought on from inhaling vapors released during usage – move away from contaminated area into fresh air at once! Finally remember to remove any clothes affected before reuse after cleaning appropriately– consult material safety data sheet for more details about precautions necessary when handling such compounds

### NOTICE:

BallistiX is proud to provide the most accurate information, recommendations, and technical data concerning this specific material. It's important to note that its validity may not be retained if mixed with any other construction elements. BallistiX provides data that should be used with caution; users are responsible for determining its applicability to their own needs and testing it before use. Legally, BallistiX cannot accept liability in cases where the provided data is misused or inaccurate. BallistiX vows to provide full consumer satisfaction, making sure you're taken care of should any issues arise with your product.