

## CRYL-A-WALL VC

### GENERAL

CRYL-A-WALL VC is 100% solids, fast curing, high strength, methyl methacrylate (MMA) based, acrylic wall coating system. It is designed to provide a terrazzo appearance with the benefits of a seamless surface on block or concrete walls. The system is composed of primer, a double broadcast of decorative chips and a topcoat. Surface finish can be smooth or textured. This system cannot be thinned with solvents.

### BENEFITS

- VOC compliant, < 100 g/L
- 100% solids
- Fast cure, full strength in one hour
- NSF Registered
- Meets USDA/FDA requirements
- Indoor and outdoor applications
- UV resistant
- Seamless, no cold joints, always bonds to itself
- Use over a wide temperature range, even below freezing
- Available with Bio-Pruf antibacterial and fungal additive

### COLORS

CRYL-A-WALL VC is available in MACRO or MICRO decorative color chip blends. Color options include solid colors or custom blends. Please refer to the MACRO or MICRO Chip Color Selector Chart.

### TYPICAL USES

- Laboratories
- Pharmaceuticals
- Rest Rooms
- Locker Rooms
- Animal Handling
- Bottling Plants
- Clean Rooms
- Foot Processing
- Kitchens

### SURFACE PREPARATION

The substrate must be dry and free of oil, grease, dirt, bituminous and other contaminants. Unsound concrete and laitance should be removed by appropriate mechanical means. Refer to DUR-A-FLEX “**Surface Preparation Guide**” for detailed instructions.

### APPLICATION METHOD

CRYL-A-PRIME P-101 is applied by brush or roller at 100-125 Sq Ft per gallon (2-3 m<sup>2</sup>/liter). Substrates that are very porous may require an additional primer application. The second primer application may be composed of 1 part CRYL-A-PRIME P-101 and 1 part CRYL-A-COVE.

A parge coat of CRYL-A-COVE may be required to fill block joints and/or fill the surface of the block.

The body coat is composed of a double broadcast of CRYL-A-GLAZE G-201 resin and DUR-A-FLEX decorative color chip. The first coat of CRYL-A-GLAZE G-201, mixed 1:1 with CRYL-A-COVE is roller applied at 100-125 Sq Ft per gallon (2-3 m<sup>2</sup>/liter). It is recommended that this coat be pigmented to match the prominent chip color.

DUR-A-FLEX decorative color chips are broadcast at a rate of 0.1-0.15 LB Sq Ft (0.07-0.7 kg/m<sup>2</sup>) into the wet material. Use a Hopper Gun that is connected to an air compressor set @ 20-30 psi for this function. After material has cured, brush off the excess/loose chips.

Apply a second coat of CRYL-A-GLAZE G-201 at 100-125 Sq Ft per gallon (2-3 m<sup>2</sup>/liter) and broadcast the color chips at the same rate. Let the system cure and brush off the excess/loose chips.

A topcoat of CRYL-A-TOP T-301 is applied at 100-125 Sq Ft per gallon (2-3 m<sup>2</sup>/liter). Sand the surface after it is fully cured. A second topcoat of CRYL-A-TOP T-301 is applied at 100-125 Sq Ft per gallon (2-3 m<sup>2</sup>/liter). Sand after cured if required. In some applications a third topcoat at 100-125 Sq Ft per gallon (2-3 m<sup>2</sup>/liter) may be required.

The appropriate amount of CRYL-A-CURE is determined by using the CRYL-A-FLEX Mixing Chart and is a function of the material and substrate temperature. CRYL-A-CURE is added to the resin and thoroughly dispersed. Due to the material's relatively short pot life, only make enough material to be applied in five minutes.

#### **CURE**

CRYL-A-WALL VC components will cure typically in 45-60 minutes. The system is fully functional one hour after completed application. **IMPORTANT**, do not apply the material too thin. It may not cure properly.

#### **PACKAGING**

CRYL-A-WALL VC resins are available in 1-gallon (3.8 liter) cans, 5-gallon (19 liter) pails and 50-gallon (190 liter) drums. CRYL-A-CURE is available in 1-gallon cans, 5-gallon (19 liter) pails and 55-pound (25 kg) boxes. DUR-A-FLEX decorative chip is available 10 LB (0.45 kg) or 55 LB (25 KG) boxes.

#### **TECHNICAL INFORMATION**

CRYL-A-WALL VC is part of a family of special repair and wearing materials supplied by DUR-A-FLEX. If you require further information on this or any other of our products please contact our Technical Department.

#### **PHYSICAL CHARACTERISTICS**

Solids Content	100%
Pot life @ 68F	10-20 minutes
Cure Rate @ 68 F	30-60 minutes
Recoat Time	60 minutes
Tensile Strength	2,175 PSI
Compressive Strength (Filled System)	6,000-8,000 PSI

This product is resistant to many common chemicals. Please refer to the master "Chemical Resistance Chart" for actual resistance to specific chemicals/reagents.

#### **CLEANING**

This product is part of a low maintenance solution; however, certain textures and service environments do require certain procedures. Always apply the material at the recommended spread rate. Please refer to the master "**Cleaning Guide**".

#### **STORAGE CONDITIONS**

Store in a cool and dry place, below 85 F (30 C), out of direct sunlight. Do not store near open flame or food. The shelf life is 6 months from ship date in unopened containers.

#### **CAUTION**

**CRYL-A-WALL VC resins are flammable liquids in their uncured state. Smoking, open flames or sparks should not be permitted during the handling of the product.** Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, an organic vapor respirator should be used. Air powered or explosion proof mixing equipment is required. Adequate cross ventilation should be provided, and if necessary, explosion-proof fans may be required. All foodstuffs must be removed during application of the system. **Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN. If substrate and/or material temperature is above 90 F (32 C), Do Not apply the material. Detailed application instructions should be obtained, read and understood prior to commencement of application.**

#### **CHEMICAL RESISTANCE**

*Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.*