

## PI.231 – PRODUCT INFORMATION: REFLECTOR™ Enhancer Flooring Systems

Revised: 3.16.16

### DESCRIPTION

REFLECTOR™ Enhancer Flooring Systems are fluid applied floor coating for residential, commercial and industrial applications where a durable, long lasting, yet aesthetically unique and custom floor is required.

REFLECTOR™ Enhancer Flooring System is typically applied at a combined product thickness of 25 to 50 mils but overall thickness can vary depending on job requirements, required performance characteristics and which specific system combination is chosen.

Due to the unique and unrepeatable nature of these flooring systems, consult with an Elite Crete Systems technical representative before installing or specifying.

### ADVANTAGES

- Virtually unlimited colors and combinations
- Unique pattern and design is different every time
- Zero to very low VOC
- Fast set available for quicker turn around time
- New or existing floors
- Electrostatic dissipative finish is optional
- Completely seamless and easy to maintain
- Available in satin or gloss
- Exceptional wear and abrasion resistance
- Stain and chemical resistant
- No wax or floor finish required
- Competitively priced with traditional flooring options

### TYPICAL AREAS OF USE

- Retail stores
- Shopping malls
- Showrooms
- Concourses
- Medical
- Educational

### TYPICAL SYSTEMS

Brackets indicate option. Additional product substitutions available.

#### REFS - S

1. E100-VB5™ (optional two coats)
2. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive

#### REFS - ST

1. E100-VB5™ (optional two coats)
2. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive
3. [E100-PT1™ Standard Set or [E100-PT1™ Fast Set] as clear coat

#### REFS - SP

1. E100-VB5™ (optional two coats)
2. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive
3. [AUS-V™ without AGG] or [AUS-V™ with AGG]

#### REFS - STP

1. E100-VB5™ (optional two coats)
2. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive
3. [E100-PT1™ Standard Set or [E100-PT1™ Fast Set] as clear coat

4. [AUS-V™ without AGG] or [AUS-V™ with AGG]

#### REFS - C

1. E100-VB5™ (optional two coats)
2. E100-PT4™ Pigmented: choose color
3. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive

#### REFS - CT

1. E100-VB5™ (optional two coats)
2. E100-PT4™ Pigmented: choose color
3. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive
4. [E100-PT1™ Standard Set or [E100-PT1™ Fast Set] as clear coat

#### REFS – CTP

1. E100-VB5™ (optional two coats)
2. E100-PT4™ Pigmented: choose color
3. [E100-PT1™ Standard Set], [E100-PT1™ Fast Set] or [E100-UV1™] with REFLECTOR™ Enhancer additive
4. [E100-PT1™ Standard Set or [E100-PT1™ Fast Set] as clear coat
5. [AUS-V™ without AGG] or [AUS-V™ with AGG]

### LIMITATIONS

REFLECTOR™ Enhancer Flooring System must only be used on interior concrete that is well drained and is not subject to hydrostatic pressure.

Concrete must be structurally sound and free of curing membrane, paint or sealer. For any preparation or application questions, contact a technical representative.

For additional abrasion and chemical resistance, apply one of several urethane top coats with the AGG additive. The coefficient of friction values can be adjusted to meet virtually any requirements. Typical COF ranges from 0.50 to 0.80.

### GUIDELINES for COEFFICIENT OF FRICTION

- ADA Flat Surfaces 0.60
- ADA Inclined Surfaces 0.80
- OSHA 0.50
- NFPA 0.68

### PHYSICAL PROPERTIES (varies based on system components)

|  | Test Method  | Test Result                    |
|--|--------------|--------------------------------|
| VOC Content  | N/A          | 0 to 20 g/l                    |
| Toxicity   | N/A          | None - FDA and USDA Acceptable |
| Heat Distortion Temperature                                | ASTM D-648   | 130° F                         |
| Shore D Hardness   | ASTM D-2240  | 82 to 90 - 7 days              |
| Compressive Strength                                       | ASTM D-695   | 15,000 to 17,000 psi           |
| Tensile Strength   | ASTM D-638   | 4,400 to 6,100 psi             |
| Abrasion Resistance<br>CS-17 Wheel, 1KG Load, 1,000 cycles | ASTM D-4060  | 10 mg loss                     |
| Flexural Strength  | ASTM D-790   | 4,800 to 7,500 psi             |
| Slant Shear  | ASTM C-882   | 100% Concrete Failure          |
| Water Absorption<br>2 Hour Boil                            | ASTM D-570   | 0.03 to 0.05 %                 |
| Flammability   | ASTM D-635   | Self-Extinguishing             |
| Flame Spread<br>NFPA 101                                   | ASTM E-84    | Class A                        |
| Elongation at Break  | ASTM D-638   | 6.1 to 7.3 %                   |
| Indentation  | Mil D 3134 F | 0.025 max                      |
| Impact Resistance  | Mil D 3134 F | 16.5ft. lbs. Pass              |