

# IRN – SLAB: K17™

IRN—Slab K17 is a specialized aggregate floor topping, bound together by industrial grade 100% solids epoxy. Designed to create a single coat application seamless floor resurfacer with extremely high density and compressive strength for exceptional durability. The result is sealed flooring system offering excellent chemical resistance as well as industry leading abrasion and impact resistance.

### Advantages

- Increases concrete wear resistance exponentially
- Maintainable, repairable system
- Easy application and flowable consistency
- Single coat application (Self Priming)
- High density - resists industrial contaminants
- Interior or exterior applications
- Expedient return to service

### Primary Applications:

• Tipping Floors	• High Traffic Aisleways
• Industrial Floors	• Warehouses
• Loading Docks	• Maintenance Garages
• Industrial Kitchens	• Garbage Collection Areas

### Product Description:

Material is packaged in premeasured kit yielding 0.5 cubic feet (0.014M<sup>3</sup>)  
 Standard Color: Hollywood Beach Sand

\* A small pallet of custom colors are available

### Technical Data:

Compressive Strength (ASTM C579)	1 Day	>6,000 Psi (41 Mpa)
	7 Day	14,000 Psi (97 MPa)
	28 Day	> 16,000 psi (117 MPa)
Shore D Hardness (Resin Only)	7 Days	>80
Bond strength (concrete)	ASTM D4541	Substrate Failure
Bond strength (steel)	ASTM D4541	>1,500 Psi (>10 Mpa)
Solids by volume	ASTM D2697	100% Solids
Linear Shrinkage (7 Days)	ASTM C531	< 0.0018%



The World's Greatest New Age Construction Materials

5553 Anglers Ave #101  
 Dania Beach, FL 33312  
 954.326.7413  
 Tech@ddsynergy.biz

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**Packaging:**

Product is pre-packaged in 0.5 cubic foot kits (0.014M<sup>3</sup>)  
 Each kit is comprised of 3 components (A, B and C)

**Tinting:**

If you are using color option, add one premeasured color pack to each kit during mixing process.

**Preparation:**

Surface must be clean, dry and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

*\*Concrete & Masonry:  
 SSPC-SP13/NACE 6,  
 (ICRI No. 310.2R, CSP 3-5)*

Coverage per kit:			
DFT Inches (mm)		Coverage Ft <sup>2</sup> (M <sup>2</sup> )	
1"	(25.4mm)	6 ft <sup>2</sup>	(0.56m <sup>2</sup> )
0.5"	(12.7mm)	12 Ft <sup>2</sup>	(1.115m <sup>2</sup> )
0.25"	(6.35mm)	24 Ft <sup>2</sup>	(2.23m <sup>2</sup> )

**Mixing:**

Pour both A and B Component into a container large enough to hold all components (Such as a 5 gallon pail). Mix until liquids are uniformly blended. Material shall only be mixed on slow speed utilizing a mechanical mixer blade. (If adding color, it would be added and mixed in at this point, before the aggregate is added) Slowly sift "C" Component into the liquid while continuing to mix. Do not dump all of "C" Component into the liquids at one time. Mix for a minimum of two minutes or until consistent color and texture has been obtained.

**Application:**

Product should be poured directly from mixer onto prepared floor surface. Product can be spread with trowel, rake or screed box depending on surface area to be covered. Aggregate or colored quartz can be broadcast onto surface if an aggressive non-slip finish is required.

Technical Characteristics*	
Pot life	25-30 mins
Return to service:	
Foot traffic	18 hours
Full Service	72 hours
*at 75°F (24°C)	

*D & D Synergy warrants our products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product . NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING SALEABLE OR SUITABLE FOR A PARTICULAR PURPOSE.*