

FloroBuild XT FOR EXTREME CONDITIONS

Product Description: FloroBuild XT is an extra tuff epoxy mortar used for resurfacing or leveling extremely deteriorated or spalled concrete. Its proprietary fillers, which contain several gradations of steel, add extra tough abrasion and wear performance. This makes for a tougher surface which can absorb and dissipate shock from impact. It provides a non-porous, sanitary, skid resistant surface that easily tolerates the harsh environments found in many settings. FloroBuild XT is available natural or in various colors.

Typical Uses, Applications: Ideally suited for commercial, industrial and institutional applications which have:

- Solid Waste Transfer Facilities
- Loading Docks
- Dumpster Pads
- Any form of impact to the flooring surface

Product Advantages:

- Superior compressive strength & wear resistance
- Excellent impact resistance and hardness
- Seamless sanitary floor and coving
- Meets USDA requirements for incidental food contact in Federally Inspected Meat and Poultry Plants
- A variety of colors can be achieved with the addition of Florock 100% Solids Colorants at 1 to 2 quarts per batch.

Cured Physical Properties		
Property	Test Method	Results
Compressive Strength	ASTM C579	14,200 PSI
Tensile Strength	ASTM D2370	7,300 PSI
Flexural Strength	ASTM D790	4,600 PSI
Flexural Modulus of Elasticity	ASTM C580	2.0 X 10E6 PSI
Indentation	MIL-D-3134F	No Indentation
Impact Resistance	ASTM D4226	>160 in/lb
Shore Hardness	ASTM D2240	90
Water Absorption	ASTM C413	0.2%
Bond Strength	ACI Comm. #503 pg 1139-41	>400 PSI
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000 gm load, 1000 cycles	ASTM D4060	30 mg
Heat Resistance Limitation	Continuous Exposure	140° F/60° C
Coefficient of Friction	ASTM D2047	0.6 minimum
Flammability	ASTM D635	Self -Extinguishing
Thermal Coefficient of Linear Expansion	ASTM C531	1.8 x 10E-5 in/in/° F

Packaging: FloroBuild XT comes in a multi-component neutral kit. Optional colorant is sold separately. Each kit will cover 260 SF at a nominal 1/4" thickness.

- Epoxy Part A - 6 gallons
- Activator Part B - 3 gallons
- FloroBuild PT Aggregate - 150# (3 bags)
- Sharp Silica Blend Aggregate - 150# (3 bags)
- Medium, Steel Filler - 100# (2 bags)
- Fine, Steel Filler - 50# (1 bag)

Storage: All containers should be stored at 40° F to 95° F, kept tightly sealed and out of direct sunlight.

Coverage: Each kit will cover 260 SF at a nominal 1/4" thickness.

1. Surface Preparation: New concrete must have a 28 day cure, and preferably a power troweled finish, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, passes the MVT test and the water drop test and that all surface defects have been repaired. Refer to the Florock "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

Expansion Joints: All expansion joints should be cut and filled with Florock System 6500 after applying the FloroBuild XT.

Note: Floropoxy should not be applied when floor temperature is above 90° F or below 55° F, or when within 5° F of the dew point.

2. Primer Application: Once surface preparation is complete, apply Floropoxy 4700 or 3700 primer to the concrete floor. Allow primer to tack before proceeding. See Primer Techdata for details. For clean prepared surfaces with no MVT issues, use Floropoxy 4700 primer. If the surface contains residue oil or has MVT issues, contact your Florock Representative to discuss double priming with Floropoxy 3700.

Note: The cure time will vary with conditions. Allow a minimum of 6 hours and a maximum of 24 hours.

Blended Components	
Blended Solids	100%
Floor and Air Temp. Limitations	55°-90° F
Recommended Clean-up Solvent	S-41 Florobase Thinner
VOC	0

Working Time & Recoat Time Table		
Temperature	Working Time	Recoat Time
55° F	25 min.	12 hr
70° F	15 min.	8 hr
90° F	10 min.	6 hr

Set Time Table		
Temperature	Foot	Full Vehicle
55° F	12 hr	20 hr
70° F	8 hr	12 hr
90° F	6 hr	8 hr

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3. Mortar Mixing: Turn on the mortar mixer and pour in the 6 gallons of epoxy, and then the 3 gallons of the Activator. Immediately add 3 bags of PT aggregates, 3 bags of sharp silica aggregates, 2 bags of medium steel filler and 1 bag of fine steel filler. Mix this batch for 3 minutes and transfer mortar into a wheel barrel for immediate transfer to floor.

4. Mortar Application: Spread with a rake or screed box and then power trowel. The first pass of the power trowel will compact the material and will remove any voids and makes the floor smooth and dense. Adjust the power trowel blades to a lower setting and make a second pass to finish and close the floor. Excessive power troweling in the first or second pass will cause blisters.

FloroBuild XT has a very wet consistency. Finishing areas inaccessible to a power trowel is achieved using light, feathering strokes with a hand trowel to smooth the surface. Trowel the material to the desired thickness and then allow it to set for 5-10 minutes. Lightly mist-spray the surface with Florock Trowel Lube or with water, and using a clean trowel, re-trowel the material to a smooth, dense finish.

5. Apply Top Coat: When the FloroBuild XT has cured, the surface should be lightly ground or sanded to remove any burrs or surface defects. The FloroBuild XT may be left natural or top coated with Floropoxy 4805, 4860, 4865, Florothane CR or FloroWear finishes.

Maintenance: Sweep away dust and debris with a broom. Clean on a regular basis with a surfactant type mild detergent. Florock floors never need to be waxed.

Disclaimer:

All statements and recommendations are based on experience we believe to be reliable. The use or the application of these products being beyond the control of the Seller or Manufacturer, neither the Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability of a product for an intended use shall be solely up to the User.