



# FLOORPRIME AC series

Blue Colour Acrylic Primer/Sealer for Concrete

## PRODUCT DESCRIPTION:

**FloorPrime AC** is a single component, penetrating acrylic primer/sealer used to prime and seal concrete surfaces. **FloorPrime AC** is available in water and solvent based formulation and supplied in blue colour to know the application done. It is used as part of a complete Floorcrete flooring system in conjunction with other Multichem products.

## BENEFITS:

- *Low viscosity formulation penetrates and seals concrete pores.*
- *Provides superior adhesion to concrete and higher tensile and flexural strengths when compared to conventional polyamide primers Cures at ambient temperatures down to 10°C.*
- *Resistant to amine blush, even when cured at low temperatures and high humidity.*

## USES:

### APPLICATION

- Concrete floors and slabs
- Where moisture vapor transmission of substrate exceeds 1.3 Kg per 1000 ft<sup>2</sup> over 24 hours
- Where vapor drive of porous concrete surfaces needs to be controlled
- Where low-odor applications are desired

### LOCATION

- Interior, exterior

### SUBSTRATE

- Horizontal concrete floors and slabs

## TECHNICAL DATA:

Parameters	FloorPrime AC(W)	FloorPrime AC(S)
<b>Description</b>	Water based Acrylic Primer	Solvent based Acrylic Primer
<b>Coverage</b>	45-65 ft <sup>2</sup> /Kg	45-65 ft <sup>2</sup> /Kg
<b>Recoating Interval</b>	3-4 hours, Depending on Temperature	3-4 hours, Depending on Temperature
<b>Shore D Hardness</b>	80-85	80-85
<b>Drying Time</b>	Surface dry: 30 minutes Touch Dry: 4-6 hours	Surface dry: 30 minutes Touch Dry: 2-3 hours
<b>Pot Life</b>	30 minutes	
<b>Bond Strength</b>	Not less than 0.6 N/mm <sup>2</sup>	Not less than 0.6 N/mm <sup>2</sup>



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FloorPrime AC/2013/RO-2013



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## APPLICATION DATA:

### PREPARATION:

1. Ensure that floors are structurally sound and fully cured a minimum of 28 days.
2. Repair concrete and install joint sealants and fillers as necessary. Use patching materials as appropriate.
3. Mechanical surface profiling is the preferred floor preparation method for both new and existing floors. It is the only acceptable preparation method where warranties are issued. Acid etching is not recommended. Mechanically profile the floor to medium-grit sandpaper texture. Remove curing and parting compounds and other surface hardeners and floor coatings in accordance with the manufacturer's instructions.
4. Measure the moisture vapor transmission rate (MVT) after shotblasting by conducting a calcium chloride test in accordance with ASTM F 1869.
5. One coat of **FloorPrime AC** Concrete Floor Primer will reduce MVT by half. Multiple coats of **FloorPrime AC** Concrete Floor Primer may be required. Once the MVT is under 1.3 Kg, the flooring installation products can be applied.

### MIXING:

1. It is very important to properly mix the content of this product in the exact manner and sequence specified in the following instructions in order to form a stable emulsion and ensure proper film formation.
2. When mixing, wear protective gloves and goggles to avoid injury from splashes.
3. DO NOT MIX BY HAND. Mix with a Jiffy mixer blade and an electric drill at very low speed for 3 – 4 minutes. Scrape sides of the container several times to ensure complete mixing. Keep the mixer blades immersed in the material to avoid introducing air bubbles.

### PLACING:

1. Floor and atmospheric temperature must be between 16 – 27°C during the application of **FloorPrime AC** Concrete Floor Primer.
2. Apply the mixed material from a roller tray using a high-quality 3/8" (10 mm) woven roller or trowel at a rate of 45-65 ft<sup>2</sup>/Kg at wet 0.1 mm(indicative only).
3. **FloorPrime AC** Concrete Floor Primer can be applied when the floor is surface dry. No puddles or surface water should be present. There is no need to broadcast aggregate when into this product.



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4. Install as evenly as possible, and avoid leaving excessive build-up in rougher areas. Complete coverage is required to ensure there are no pinholes or voids in the finish.
5. Install **FloorPrime AC** Concrete Floor Primer before installing flooring **Floorkrete** or other floorings.

## **CLEANING:**

All tools should be cleaned with suitable solvent or hot water immediately after use.

**PACKING:** 20 Kg Composite Pack

## **STORAGE:**

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °c.

## **IMPORTANT POINTS:**

1. Multichem does not recommend that grit be broadcast or otherwise introduced into FloorPrime AC Primer. If enhanced slip resistance is desired, Floorkrete other products such as FloorScreed range may be specified to serve this function.
2. Floors should be sloped to drain to prevent standing water or chemicals. As with any surface, all spills should be removed as soon as possible to prevent a slipping hazard.
3. Do not thin with water unless advised to do so by Multichem.
4. Prepare substrate according to "Surface Preparation" portion of this document.
5. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab.
6. Always use protective clothing, gloves and goggles during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
7. For industrial/commercial use. Products should be installed by trained personnel only.

## **WARRANTY**

Multichem warrants **FloorPrime AC** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from



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the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **FloorPrime AC**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **FloorPrime AC**.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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