

TECHNICAL INFORMATION SHEET

AC Primer

Item Description

11 lb (5 kg) can of AC Primer

NOTE: Each can of AC Primer requires a minimum of one 3.5 oz (100 g) bag of AC Catalyst Powder W70CFACP100G

Item Number

W70CFAPMMA



Product Information

Description:

AC Primer is a quick-curing, high-bonding Polymethyl Methacrylate (PMMA) primer used between acceptable prepared substrates and catalyzed Firestone AC Fast FR (cold liquid-applied reinforced membrane and coating system). AC Primer is a resin which must be catalyzed with AC Catalyst Powder.

Method of Application:

1. All surfaces must be free from gross irregularities or any conditions that would be detrimental to adhesion of the primer and membrane. This requires careful preparation of existing horizontal and vertical substrates.
2. Mix AC Primer with a spiral agitator until the liquid is a uniform color with no streaks present.
3. Add the catalyst powder to the resin and mix with the same agitator for 2 minutes or until the powder is completely mixed throughout the liquid resin. The amount of catalyst powder must be adjusted according to the ambient temperature (see table).

Ambient Temperature	Firestone Catalyst Powder 3.5 oz (100 g) bag	Pot Life (min)	Completely Cured (min)
35 °F – 50 °F (2 °C – 10 °C)	2 bags	20	45
50 °F – 65 °F (10 °C – 18 °C)	2 bags	20	30
65 °F – 85 °F (18 °C – 29 °C)	1 bag	15	30
>85 °F (>29 °C)	½ bag	10	15

4. Firestone recommends mixing a **full can** of AC Primer with the amount of Firestone Catalyst Powder indicated in the table above. However, for smaller applications, a half quantity may be used as follows:

Half-Quantity Mixing Chart - 5.5 lb (2.5 kg) half can of AC Primer	
35 °F – 65 °F (2 °C – 18 °C)	1 bag (3.5 oz. / 100 g)
65 °F – 85 °F (18 °C – 29 °C)	½ bag (1.75 oz / 50 g)
>85 °F (>29 °C)	¼ bag (0.875 oz / 25 g)

- a. Any breakdown from original packaging shall be accurately measured by scale or other calibrated measuring device.
 - b. Any material to be broken down should be transferred to a new metal container. Leave material to be used later in original packaging and re-seal with original lids.
5. Catalyzed Firestone AC Primer is extremely fast curing. Excessive mixing time reduces the available working time for the primer.
 6. After mixing, apply primer with a roller or brush evenly onto the surface in a cross directional method, or utilizing the pour and spread method to fully cover the substrate. Porous substrates may require an adjustment to the application rate or multiple coats to achieve proper pore saturation.

NOTE: Firestone PMMA membrane may be applied when primer is completely dry and without tack. Do not apply Firestone PMMA membrane to tacky or wet primer.

Storage:

- Always store in cool and dry location.
- **Do not store in direct sunlight** or in temperatures below 35 °F (1.7 °C) or above 80 °F (27 °C).
- AC Catalyst Powder must be stored separately.
- Appropriately discard of any AC Catalyst Powder that has clumped together.
- For best use, acclimate at temperatures between 65 – 70 °F (18 – 21 °C) 24 hours before application.

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Shelf Life:

Approximate shelf life is 12 months with proper storage.

Coverage Rate:

125 ft² (11.6 m²)

NOTE: All yields are approximate and may vary depending upon smoothness and absorbency of substrate.

Clean-Up:

Cured Firestone AC Primer may be disposed of in standard landfills. This is accomplished by thoroughly mixing all components.

NOTE: Uncured Firestone AC Primer resin and catalyst are considered hazardous materials and must be handled as such, in accordance with local, state and federal regulations. Do not throw uncured resin or catalyst away.

Precautions:

- **CAUTION:** Product becomes **EXTREMELY HOT** while reacting, reaching approximately 230 °F (110 °C). It may spit, pop, and steam. Mix in metal containers. Do not mix on completed roof membrane.
- Refer to Safety Data Sheet (SDS).
- Not for use on TPO or EPDM.
- Prior to opening the containers, wear appropriate safety glasses and protect hands and wrists by wearing gloves.
- Firestone AC Primer may be applied when the ambient temperature is 35 °F (2 °C) and rising. The substrate temperature must be a minimum of 5 degrees above the dew point.
- Firestone AC Fast FR must be applied to primer within 48 hours of primer application. Primer exposed for more than 48 hours must be re-primed.
- Provide and maintain positive airflow over freshly applied Firestone AC Primer materials during entire curing period to facilitate complete cure. Natural airflow is typically sufficient for exterior applications, but locations such as beneath large mechanical units, at inside corners, at the base of high walls, and other similar areas where stagnant air may occur should be provided with powered fans.

LEED® Information:

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Germany

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

Typical Properties

Property	Typical Performance
Color	Transparent
Physical State	Cures to Solid
VOC Content	8.3 oz/gal (62 g/L)
Usage Time*	15 minutes
Water Resistant After*	30 minutes
Cures After*	30 minutes
Apply Membrane/Coating	30 minutes

* Values obtained at 73 °F (23 °C) , 50% relative humidity, may vary depending upon air flow, humidity and temperature.

Please contact Firestone Technical Services at 1-800-428-4511 for further information.

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