KEMPERTEC® AC Primer

Work pack includes:
Component A: Base Resin, Component B: Catalyst Powder

Product Description

KEMPERTEC® AC PRIMER is a quick-curing, high bonding Polymethyl Methacrylate (PMMA) primer used between acceptable prepared substrates and KEMPEROL® cold liquid-applied reinforced membrane and coating systems.

Composition & Materials

KEMPERTEC® AC Primer is a 2-part, cold liquid-applied Polymethyl Methacrylate resin consisting of Component A (resin), and Component B (catalyst powder).

Use

KEMPERTEC® AC Primer is used to prime a variety of substrates. Please check the current Substrate Primer Selection Table for a complete list of approved substrates.

Limitations

Kemperol AC Primer may be applied when the ambient temperature is between 35°F (2°C) and rising. The substrate temperature must be a minimum of 5 degrees above the dew point. Kemperol membrane 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 KEMPEROL® AC 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.

Yield

125 ft^2 (11.6 m^2) per 5 kg work pack.

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

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). Approximate shelf life 12 months with proper storage. Catalyst Powder must be stored seperately.

For best use, 24 hours before application, the material is to be acclimated at temperatures between 65-70°F (18-21°C).

Precautions

Review Safety Data Sheets before handling, available online at kempersystem.net.

Surface Preparation

All surfaces must be free from gross irregularities, loose, unsound or foreign material such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion of the primer and membrane. This requires careful preparation of existing horizontal and vertical substrates; cracks are filled, expansion joints are prepared, flashings are removed or modified, and termination points are determined. Substrates and penetrations are prepared to rigorous industry standards, and may require scarifying, sandblasting or grinding in some cases to achieve a suitable substrate.

Note: Prior to opening the containers of KEMPERTEC® AC Primer, wear appropriate safety glasses and protect hands and wrists by wearing gloves.

Mixing of Primer

Step 1: Mix Component A with a spiral KEMPEROL® agitator or stir stick, until the liquid is a uniform color, with no streaks present.

Step 2: Add the Catalyst Powder, Component B, to Component A 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).

NOTE: Kempertec® AC Primer is extremely fast curing. Excessive mixing time reduces the available working time for the Primer.

Catalyst Powder Requirements

Material Temperature °F	Kemperol Catalyst Powder (100g/bag)	Pot Life (min)	Completely Cured
35°F - 50°F	2 bags	20	45
50°F - 65°F	2 bags	20	30
65°F - 85°F	1 bag	15	30
>85°F	1/2 bag	10	15

Sustainability Information	
Rapidly Renewable Resource	0%
Recycled Content % (post / pre)	0 / 0
Manufacture Location	Italy / Germany

Primer Properties	
Physical Property	**Value**
Color	Transparent
Physical State	Cures to solid
VOC Contents	62 g/l
Usage Time*	15 minutes
Water Resistant After*	30 minutes
Cures After*	30 minutes
Apply Membrane/Coating After*	30 minutes

** values obtained at 73°F, 50% relative humidity, may vary depending upon air flow, humidity and temperature.*

Application

After mixing, apply the 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 primer application rate or multiple coats to achieve proper pore saturation.

Note: Kemperol membrane may be applied when the primer is completely dry and without tack. Do not apply Kemperol membrane to tacky or wet primer.

Disposal

Cured KEMPERTEC® AC Primer may be disposed of in standard landfills. This is accomplished by thoroughly mixing all components. Note: Uncured KEMPERTEC® AC Primer resin and hardener are considered hazardous materials and must be handled as such, in accordance with local, state and federal regulations. Do not throw uncured resin or hardener away.

Ordering Information

KEMPERTEC® AC Primer Work pack:

Item #:	Size:
524-00-005	5.0 kg can resin 100 g Catalyst Powder plastic bag

Additional Catalyst Powder:

AKZO-77-251	100 g Catalyst Powder plastic bag