

# KEMROK™

Pre-extended, Fiber Reinforced CHEMICAL RESISTANT REPAIR CONCRETE



## CORROSION RESISTANT CONCRETE

**Product Description:** KEMROK™ is a rapid return to service, chemical and hydrogen sulphide resistant pre-extended pozzolan cement repair concrete. It is a single component powder that is water activated. KEMROK™ packaged units have 30 minutes of working time and will reach compressive strengths of greater than 3000 psi in 3 hours. KEMROK™ can be applied in ambient temperature ranges from 40° - 120°F. KEMROK™ places and finishes like traditional concrete, is suitable for horizontal, sloped and form and pour or pump applications and cleans up easily with water.

**Substrate Preparation:** Concrete surfaces should be prepared by appropriate mechanical means to obtain an exposed aggregate surface with a minimum surface profile of +/- 1/16" (1.5 mm) in accordance with ICRI 03732. Pre-existing coatings or surface treatments should be completely removed. Reinforcing steel should have no loose scale. Prepare concrete to a Saturated Surface Dry (SSD) condition prior to application with no standing water.

### Mixing:

Standard Mixing Procedures (Rotating Drum Concrete Mixer)

- Pre-wet cement mixer with water then drain all water from mixer (away from repair area).
- Start mixer - Add Water - KEMROK™ requires a total of 2 quarts of water per 53.5 lb.unit. Initially, add-in only 1 quart of water. (KEMROK™ is a water to binder sensitive cement. NEVER use less than 2 quarts of water nor MORE THAN 2 1/8 quarts of water per 53.5 lb. unit of KEMROK™.)
- Add pre-determined units of KEMROK™ Mix for 1 min.
- Add remaining quart of water per unit of KEMROK™.
- Mix for 6 additional minutes or 7 minutes total.
- Pour all contents into repair area.
- Clean mixer or repeat process for next batch.

### NOTES:

1. In ambient temperatures, < 50°F / 10°C, use warm water between 70°F/22°C and 90°F/32°C.

2. In ambient temperatures > 85°F/ 29°C, use cooler water between 50°F/ 10°C and 70°F/22°C.
  3. Working times will vary when mix water temperature's are outside of these recommendations.
  4. Minimum recommended batch size is 2 units (Use 4 quarts of water for 2 bag batches). Do not re-temper.
- Reference Product Data Sheet for additional instructions.*

**Application:** Working times are influenced by surface temperature and repair profile. In ambient temperatures above 85°F, utilize ACI hot weather concrete practices. Working times are influenced by surface temperature and repair profile.

- Minimum profile thickness is 1.13" (3.2 cm). There are no restrictions to the depth of the repair profile.
- For best results, Aquafin recommends monolithic placement of repair materials. Maintain a minimum thickness of 1.00 inch if repair material must be layered. Material must also be layered before final set has been reached.
- Upon initial set, a broom finish can be applied. Upon final set, the material can be saw-cut, drilled, sanded and/or polished.
- General loading in 3 hours for wheeled traffic and 2 hours for foot traffic after addition of water.
- All previously existing joints must be re-established within 4 hours of final set.
- Self-curing, (Protect with blankets or equivalent in ambient temperatures below freezing (32°F / 0°F).
- Clean all tools and equipment with water prior to the material reaching final set.

### Storage and shelf life:

Shelf life in unopened, original packaging is 12 months, when stored at 68°F (20°C). (11/17/15)



# 53.5 lbs

# (24.25 kg)

An Aquafin Brand Product

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# AQUAFIN

KEMROK



### WARNING!

Hazard Statements: H319:  
Causes serious eye irritation.  
H335: May cause respiratory irritation.

Precautionary Statements:  
P264: Wash skin thoroughly after handling. P280: Wear eye protection/face protection. P280: Wear protective gloves. P281: Use protective equipment as required. P302 + P352: IF ON SKIN: Wash with plenty of water. P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned, get medical advice/attention. P332 + P313: IF skin irritation occurs, get medical advice/attention. P362: Take off contaminated clothing and wash before reuse.

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