



PRODUCTS, INC.

918 N. UNION STREET
APPLETON, WI 54911
920-739-8685
OR 1-800-221-6381

EPOXY & FIBERGLASS FLOORING, SEAMLESS FIBERGLASS WALL SYSTEMS, SEALERS,
HIGH PERFORMANCE COATING SYSTEMS, AND INDUSTRIAL CLEANERS

PRODUCT BULLETIN PFAC I and PFAC II

DESCRIPTION

PFAC I AND II -POLYUREA FILLER AND CAULK are two component polyurea/amine blends used for floor repairs. PFAC I completely cures even to -20F in less than 24 hours to provides a hard, tough surface. PFAC II is a more typical room temperature cure materials ideal for warehouses, production areas etc. Either PFAC may be used as a stand alone spall or hole filler, as an all purpose crack and joint filler or mixed with various aggregates to provide a build up or slip resistant surface. BOTH PFACS may be in-line blended utilizing a two component mixer apparatus allowing the applicator to use amounts ranging from a few ounces to nearly continuous feed. PFAC IS AVAILABLE CLEAR, GRAY AND BLACK

USES

PFAC is supplied in a 12 TUBE SET CASE (150MLX 300 ML for PFAC 1 and 300x300 ml for PFAC II) for use in a “caulk gun” for repairs, and joints as well as in bulk for two component mixing apparatus. PFAC exhibits excellent adhesion to wood, tiles, concrete, asphalt, glass, brick, shingles, metals or other clean surfaces. PFAC NEEDS NO PRIMER, has excellent weather and water resistance, may be used indoors or outside. Note this product will amber in strong UV and sun light., and freezing of tubes may cause damage.

APPLICATION

Clean and properly prepare surface. Steel should be sand blasted, concrete should be chemically cleaned or mechanically abraded, wood should be sealed against moisture migration. Floor cracks and holes should be thoroughly cleaned with an acid detergent – XA-201 is a good choice – and/or a good degreaser – CD-103 is a good choice or mechanically abraded. Consult us for chemical resistance recommendations.

SPECIFICATIONS

SOLIDS – 100%

WATER RESISTANCE- EXCELLENT

FLEXIBILITY – 400%

SET TIME –1 MIN at 70F

ADHESION: + 350PSI (concrete fails)

CHEMICAL RESISTANCE- EXCELLENT

LOW TEMPERATURE CURE RATES: PFAC I

DUROMETER 65 PFAC II - 45

UV RESISTANCE- EXCELLENT

HEAT RESISTANCE – TO 300F, PFAC II TO 200F

ODOR – NONE

FLASH POINT: +200F

Temp	Use time	foot traffic	wheeled traffic	full use
	Joints	patch 800 psi	patch 1400 psi	3500 psi
34F	30-45 min	1.5 hr	3.5 hr	7 hr
0f	45min-1hr	1.5 hr	3.5 hr	16 hr
-20F	2 hr	3 hr	5-6 hr	26 hr

NOTE: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER C.D. PRODUCTS INC. ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSE OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTY THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.



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APPLICATION BULLETIN KOLD PFAC

KOLD PFAC is a specially formulated very fast reacting polyurea that completely cures to -20F making it ideal for fact convenient repairs in coolers and freezers. Because of its very fast reaction time at ambient temperatures the application of this material is a little more complicated than other polymer products.

JOINTS:

Clean out the joints completely- for cold temperatures we recommend saw cutting to a depth of at minimum ½” , ¾ inch is better. Using the two component caulk gun squirt the **KOLD PFAC** out through the provided inline mixer into the joint. When the **KOLD PFAC** has hardened to the touch use a razor scraper to shave off any excess material and so leave a filled joint flush with the surface. Cure to use time at 34F is 30-45 min, 0F is 45 min to 1 hour and at -20F it is 2 hours.

PATCHING SMALLHOLES.

Use the same procedure as for joints making sure the hole has been thoroughly cleaned out ahead of the **KOLD PFAC** application.

PATCHING LARGE HOLES

Do as above for small holes or partially fill the hole and then while the **KOLD PFAC** is liquid (1-5 min depending on the area temperature) , broadcast clean dry sand into the **KOLD PFAC** to bulk it up to the surface of the hole. Repeat as necessary until the patch is complete.

PATCHING LARGE AREAS

Use the procedure above or use the materials supplied in the **KOLD PFAC PATCH KIT** for a troweled surface. This may be troweled smooth or pitched as you desire. For the easiest application keep the **KOLD PFAC** at room temperature (precooling it will thicken it up and make it difficult to get out of the caulk tubes) but precool the aggregate to as low a temperature as possible. When the **KOLD PFAC** is mixed ideally with a mechanical mixer, with the pre cooled aggregate the temperature of the blend is lowered and slows the **KOLD PFAC** reaction giving you working time with the product. The aggregate blend is specific to the **KOLD PFAC** and when blended and troweled is self priming and self sealing. TIP: keep the trowel face wet with Xylene so the trowel glides easily over the **KOLD PFAC/AGGREGATE** surface. MOVE QUICKLY! The **KOLD PFAC** and precooled aggregate blend has a working time of 5-10 minutes at MOST. Each aggregate kit contains enough aggregate blend for one **KOLD PFAC TUBE SET**. This blend covers approximately 2.5 sqft at ¼” thick. For larger areas have two buckets mixing the **KOLD PFAC/ AGGREGATE** blends. Set time to limited use at 34F is 1.5 hr, at 0F is 1.5 hr and at -20F is 3 hr. Set time to rolling vehicle traffic use is at 34F – 3.5 hr, at 0F -3.5 hr and at -20F – 5-6 hr.



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KOLD PFAC



KOLD PFAC is VERY fast cure engineered polyurea that cures completely to -20F. It may be used as is to fill joints and holes in freezers and coolers and is supplied as a 300x150ml caulk tube set, sealed in plastic, packaged 12 tube sets to a case. Shown on the right.

A two component caulk gun easily reset from 2:1 to 1:1 is available separately. Shown in the middle.

For resurfacing applications premeasured and blended aggregate packages are available, sufficient for blending with one KOLD PFAC tube set to cover 2.5 sqft @ 1/4". These packs are supplied in plastic bags to keep them dry, 6 to a case. Shown on the left.