

# F.C.C.

## Foundation Casting Compound

### Description:

FCC is a specially formulated 100% solids two-component inert filled casting resin compound for use under ambient operation conditions below 150°F. FCC is non burning, non shrinking and has high impact and compressive strength. Adhesion to oil free surfaces and to previously cured sections or castings is good. The cast sections may be machined, drilled or edge ground. The components are non toxic and the by-products under extreme heat are non toxic.

### Application:

FCC was developed for use as a chocking compound or base-plate shim material. It is used successfully to mount large cargo and towing winches, pumps, compressors, lathes, engines and other heavy equipment. Inasmuch as the material flows and conforms to irregularities, it is unnecessary to machine either the base plate or foundation for a perfectly aligned mount. It is recommended that a one-half inch minimum thickness of casting be used, however taper shims to 1/4" have been used.

### Installation:

Practical installation of the compound is easily accomplished. The machinery to be mounted is positioned over the foundation and aligned on jacking bolts or blocks. The hold-down bolts are inserted and half-torque applied (mold release agent should be applied to bolts prior to insertion, otherwise they will be bonded to the casting and become stud bolts). A light metal, neoprene rubber or wooden dam is formed around the area between the foundation and the base plate where the casting is to be made. This dam should extend at least 1/2" above the bottom of the base plate to provide for overfill. Holes, seams and cracks must be filled with putty or caulking compound. Mold release agent is applied to the inside of the dam area unless it is desired that the FCC adhere to these surfaces. All dams or molds should be completed prior to mixing of the FCC compound. The approximate volume of the casting is determined on the basis of 1 1/2 gallons for approximately 346.5 cubic inches of casting. FCC is a low exotherm grouting formulation allowing single pour grout placements up to 18 inches in thickness. Tight clearances to one -half inch minimum is recommended.

### Mixing:

The resin component is provided in slack filled cans to provide space for the addition of the hardener component. The contents of the resin container (Part A) should be stirred thoroughly to disperse the filler components which may have settled during storage. After stirring of resin, the hardener component is added and mixed with a Jiffy Mixer or similar mixing blade for approximately 3 minutes at between 300-600 rpm.

### PROPERTIES

#### Color/Appearance

A Component	Gray/Liquid
B Component	Off white filled liquid
<b>Packaging</b>	1.5 & 5 Gallon Units

<b>Pot Life:</b>	@ 50°-60° F	300 min.
	@ 60°-80° F	210 min.
	@ 80°-100° F	150 min.

#### Cure Time:

50°-60° F	36 hrs.
60°-80° F	24 hrs.
80°-100° F	24 hrs.

**TEMPERATURE RESISTANCE (dry)** 160°F

#### Clean up:

Pilgrim #5 Cleaner is recommended to remove uncured material from tools.

**SAFETY:** Refer to "material Safety Data Sheets" for complete information on safety and handling. Take these precautions during application and before polymer cures.

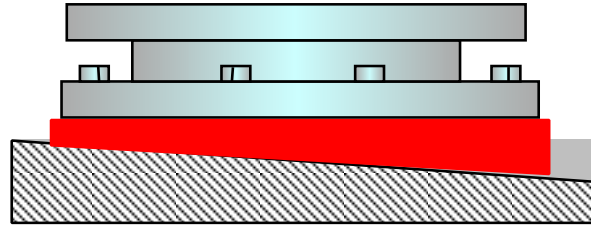
Avoid contact with eyes and skin, Use a barrier cream on exposed skin. Wash thoroughly after handling. In case of spillage, absorb and dispose of in accordance with local applicable regulations. Do not take internally.

### PILGRIM PERMOCOAT

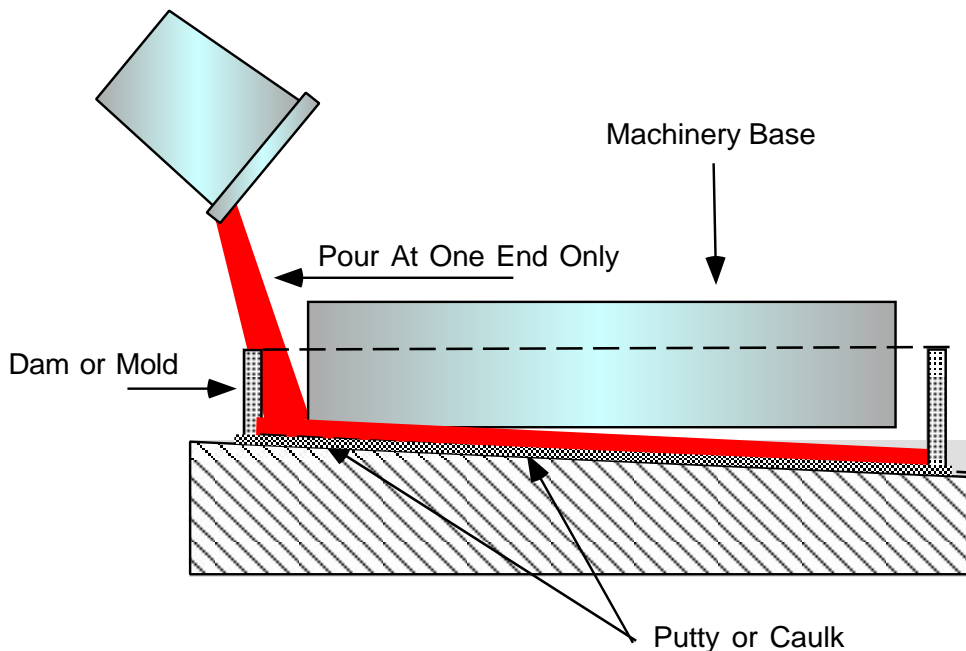
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Distribution : USA, Canada, Caribbean

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Foundation Casting Compound



Impact:	Pass 60 in./lb @ 0 F, Pass 100 in./lb @ 20 F
Hardness:	93 Shore D
Coverage:	346.5 cu. in. (1.5 Gal Kit)
Shrinkage:	0.0003997 in./in.
Corrosion:	Pass FTM 151A @ 96 hr. 5% NaCl 95 FFog
Vibration:	Pass 33cs @ 0.02 in.
Application Life:	210 min.
High Shock:	Pass MIL-S-901C
Thermal Shock:	Pass 0 F to 212 F, ASTM D-746
Tensile Ultimate:	5,000 psi, ASTM D-638
Compressive Modulus:	501,000 psi, ASTM D-695
Fire Retardation:	Fed Std. 2021 Non-burning
Compressive Strength:	15,500 psi, ASTM D-695
Unit Size:	1.5 (.2 cu/ft) & 5 (.668 cu/ft) Gallons
Clean Up:	#5 Cleaner



**IMPORTANT** PILGRIM PERMOCOAT makes no warranty whether expressed or implied, including warranties of fitness for a particular purpose of these products. Under no circumstances shall PILGRIM be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory, arising out of the use or handling of these materials. The sole liability of PILGRIM for any claims arising out of the manufacture, use or sale of its products shall be for the buyers purchase price.