



## PC-3 EPOXY CEMENT CHEMICAL RESISTANCE

PC-3 Epoxy Resin Cement is a powerful two-component adhesive used for a variety of industrial bonding applications. It is heavily filled and will adhere to vertical surfaces without sagging. It cures at room temperature with extremely low shrinkage. PC-3® contains no volatile organic compounds (VOC's) or solvents. It is chemically stable and bonds strongly to natural and artificial stones, most metals, glass, wood and to thermosetting resins such as polyester, phenolic and epoxy.

We have tested PC-3 for chemical resistance against dilute acids and solvents and offer the following results. Your results may vary depending on environment, sample size / configuration and other variables. A small scale test is recommended prior to using PC-3 on a large scale or important project. Read the technical bulletin and MSDS before using available at [www.smooth-on.com](http://www.smooth-on.com)

<u>Reagent</u>	<u>Rating</u>
1 37% Hydrochloric Acid	Good
2 33% Sulfuric Acid	Good
3 96% Sulfuric Acid	Good
4 Acid Dichromate Etch Solution	Good
5 Glacial Acetic Acid	Excellent
6 Phosphoric Acid	Good
7 10% Sodium Hydroxide	Excellent
8 40% Sodium Hydroxide	No Effect
9 Zinc Chloride	No Effect
10 Calcium Hypochlorite	Excellent
11 Sodium Chloride Saturated Solution	Excellent
12 Ethyl Alcohol	Excellent
13 Toluene	No Effect
14 Acetone	No Effect
15 Xylene	No Effect
16 Trichloroethylene	No Effect
17 FurFuryl Alcohol	No Effect
18 Kerosene	No Effect
19 Gasoline	No Effect

Evaluation Ratings: Change in surface finish and function shall be described by the following ratings:

- 1 No effect: No detectable change in surface material.
- 2 Excellent: Slight detectable change in color or gloss, but no significant impairment of work surface function or life.
- 3 Good: Clearly discernible change in color or gloss, but no significant impairment of work surface function or life.
- 4 Fair: Objectionable change in appearance due to surface discoloration or etch, possibly resulting in deterioration of function over an extended period.
- 5 Failure: Pitting, cratering or erosion of work surface material; obvious and significant deterioration.

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