

ARCOR

The Intelligent Alternative

TEST REPORT

IMMERSION TESTING IN ALKALINE SOLUTIONS

SAMPLE PREPARATION:

Samples of ARCOR S-16 Blue, ARCOR S-20 Grey, ARCOR S-30 Blue, and ARCRETE were prepared by curing the products on plastic sheets. When fully cured the product samples were removed from the plastic sheet.

TEST CONDITIONS:

The samples of each product were placed in jars of the following chemicals in the concentrations listed:

- 5% Sodium Hypochlorite (bleach), pH 8.5
- 50% Potassium Hydroxide, pH 14
- 50% Sodium Hydroxide, pH 12+

The samples were left in the jars for three months at room temperature (77F). The initial and final weight and hardness of each product sample was recorded. Each sample was also visually inspected.

TEST RESULTS:

Excellent results were achieved.

No changes in weight, hardness or visible physical condition were noted in those samples exposed to 50% sodium hydroxide, or 50% potassium hydroxide. In fact, these samples retained their gloss!

While the samples exposed to the 5% sodium hypochlorite solution experienced significant visual changes in color (whitening or loss of pigmentation), the changes in weight and hardness were minimal, and did not result in swelling, tackiness or visible softening of any of the products.