

## SECTION 03 01 00

### MAINTENANCE OF CONCRETE

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Cleaning of existing concrete surfaces.

##### 1.02 ADMINISTRATIVE REQUIREMENTS

##### 1.03 QUALITY ASSURANCE

- A. Cleaner Qualifications: Company specializing in, and with minimum of 3 years of experience in, the type of cleaning specified.

#### PART 2 PRODUCTS

##### 2.01 CLEANING MATERIALS

- A. Degreaser:
  - 1. Manufacturers:
    - a. Euclid Chemical Company; Euco Clean and Strip: [www.euclidchemical.com/#sle](http://www.euclidchemical.com/#sle).
    - b. LATICRETE International, Inc; CITREX : [www.laticrete.com/#sle](http://www.laticrete.com/#sle).
    - c. Nox-Crete, Inc; Bio-Clean Plus: [www.nox-crete.com/#sle](http://www.nox-crete.com/#sle).
    - d. SpecChem, LLC; Orange Peel-Citrus Cleaner: [www.specchemllc.com/#sle](http://www.specchemllc.com/#sle).
    - e. W. R. Meadows, Inc; \_\_\_\_\_: [www.wrmeadows.com/#sle](http://www.wrmeadows.com/#sle).
    - f. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Detergent: Non-ionic detergent.

#### PART 3 EXECUTION

##### 3.01 CLEANING EXISTING CONCRETE

- A. Clean concrete surfaces of dirt or other contamination using the gentlest method that is effective.
  - 1. Try the gentlest method first, then, if not clean enough, use a less gentle method taking care to watch for impending damage.
  - 2. Clean out cracks and voids using same methods.

- B. The following are acceptable cleaning methods, in order from gentlest to less gentle:
1. Water washing using low-pressure, maximum of 100 psi, and, if necessary, brushes with natural or synthetic bristles.
  2. Adding detergent to washing water; with final water rinse to remove residual detergent.
  3. Steam-generated low-pressure hot-water washing.
- C. Do not use any of the following cleaning methods, unless otherwise indicated:
1. Brushes with wire bristles, grinding with abrasives, solvents, hydrochloric or muriatic acid, sodium hydroxide, caustic soda, or lye.
  2. Soap or detergent that is not non-ionic.
  3. Water washing pressure to over 100 psi.
  4. Alkaline cleaning agents.
  5. Acidic cleaning agents.
  6. Abrasive blasting.

END OF SECTION