Introduction
Efflorescence is caused by the migration of soluble salts present in Portland cement. It occurs when water dissolves unhydrated calcium hydroxide, migrates to the surface, and leaves a deposit when the water evaporates.

Efflorescence can usually be removed by a light wash with an acidic cleaner that has been formulated for this purpose.

Equipment
- Appropriate personal protective equipment
- Soft or medium bristle brushes
- Hose – water hose
- Pressure washer

Materials
- Cleaning solution
- Water supply

Procedure
1. Evaluate the surface to be cleaned and the nature of material that needs to be removed. Select an appropriate cleaning solution.
2. Test the cleaning solution on a small inconspicuous area to ensure that it provides the desired results.
3. Spray or brush the cleaning solution to the wall. If spraying, use low pressure spray to avoid driving dirt into textured surfaces. Allow the solution to soak the wall for approximately 15 minutes. Scrub the wall with a soft bristle brush to loosen heavy deposits.
4. Rinse thoroughly with clean water and allow to dry.

Do
- Follow cleaner manufacturer recommendations for dilution of concentrated cleaning solutions.
- Check local regulatory requirements for disposal of waste water and cleaning solutions.

Do Not
- Allow cleaner to dry onto the wall. It may form deposits that are hard to remove.
- Use water pressure in excess of 500 psi.
- Allow pressure nozzles to come within 2 feet of the wall.
- Use excessive scrubbing or wire brushes. Abrasion can damage finishes and sealants.
- Use steam or hot water to clean stucco.
- Apply solvents or solvent-based cleaners to stucco.

Cleaning Solution Suppliers
EaCoChem – www.eacochem.com
ShoreBest – www.shorebest.com
Wind-Lock Corporation – www.wind-lock.com

Technical Information
Consult the BASF Technical Services department for specific recommendations concerning all other applications. Consult the Senergy website, www.senergy.basf.com, for additional information about products and systems and for updated literature.
Technical Bulletin
Senergy Stucco Maintenance and Restoration Technology
Procedure for Removing Efflorescence