

## BUILDING ENVELOPE RESTORATION SPECIALISTS

### PROJECT PROFILE:

## Sun Life Financial – Wellesley Hills, MA *Repair & Waterproofing of Precast Concrete Façade Panels*

**Architect:** Wessling Architects    **Property Manager:** Jones Lang Lasalle

**The Challenge:** Replace failed joint sealant, rout and seal cracks in precast concrete façade panels and apply two coats of 100% solids clear water repellent penetrating sealer to the precast concrete façade panels -- all while not disturbing operations in two buildings at Sun Life's U.S. Headquarters.

### The Alpha Weatherproofing Solution:

- Achieved access to work locations on the building facade using a combination of quiet-running swing staging, boom lifts and a tracked boom lift for the difficult-access main entrance
- Rigged difficult-access atriums with engineered box beams capable of supporting the cantilevered swing staging
- Coordinated each staging drop with the Sun Life Property Manager, to minimize or eliminate disruption to employees
- Worked in high traffic areas and loading docks during off-hours, eliminating disruption to Sun Life employees.
- Applied a two-component, non-sag, polyurethane elastomeric sealant capable of +/- 50% joint movement
- Applied a clear sealer consisting of 100% solids, breathable, penetrating water repellent, to provide maximum long-term protection against salt corrosion, mildew, water, wind driven rain, airborne contaminants, surface spalling from freeze/thaw cycles and other extreme weather conditions

### The Process:

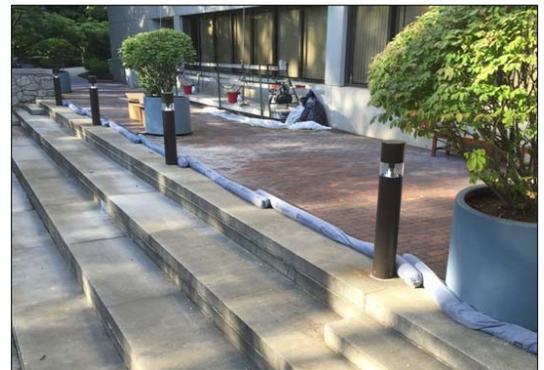
- Power-washed building façade to remove dirt and surface contaminants
- Replaced failed joint sealant at select locations
- Routed and sealed cracks in precast concrete façade panels
- Repaired any spalled/damaged concrete
- Applied two coats of clear water repellent penetrating sealer

### The Successful Result:

This project was completed on time and under budget, providing a façade waterproofing system that can stand up to New England's harsh climate.



*The Sun Life Financial U.S. Headquarters located in Wellesley, Massachusetts*



*Back of building: Tube barriers prevented runoff from entering the fountain & pond*



*Specialty boom lift used for accessing confined spaces*