

ALSAN RS JOB PROFILE

*The Building
Envelope
Company*

FLATIRON BUILDING (FULLER BUILDING)

New York, New York



PROJECT SIZE	8,500 Sq. Ft.
PROJECT DATE	Completed February, 2010
CONTRACTOR	Scapel, Inc of Brooklyn, NY
BUILDING OWNER	Newmark Knight Frank
DECK TYPE	Concrete and aged SBS membrane
LIQUID MEMBRANE USED	Alsan RS 230 (Advanced PMMA Membrane Technology)

The world famous Flatiron Building in New York City is protected by Soprema's Alsan RS PMMA liquid membrane technology. In the dead of winter with temperatures far below freezing, Alsan RS created an impenetrable liquid waterproofing membrane guaranteed to be waterproof for 20 years.

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The Flatiron Building, originally known as the Fuller Building, is one of New York City's most lasting landmarks. Finished in 1902, the Flatiron Building is considered by many to be one of the first true skyscrapers. Towering some 22 stories over New York City's Flatiron District, the building offers amazing views of Manhattan including the world famous Empire State Building. The building's unique design featuring an acute 25 degree angle at one end resulting in offices with only a 6 1/2 foot facade, is not the first "triangular" building ever designed, but it is the most famous.



Advanced liquid waterproofing technology, such as Soprema's PMMA based Alsan RS system, gives business owners and architects a cost effective solutions to difficult roofing and waterproofing projects like the Flatiron Building.

The Alsan RS system features dramatically fast cure times that can accomodate tight construction schedules while providing durable applications that are warranted for up to 20 years with an expected lifespan of over 30 years.

With Alsan RS, Scalpel, Inc, the building contractor, was able to install the system in the most difficult urban setting, without a heat source, in temperatures below freezing, while achieving a cure time of just minutes.

Soprema used state of the art PMMA membrane (polymethyl methacrylate) liquid waterproofing technology to completely waterproof the 8,500 sq ft. main roof and 21st floor set back of the Flatiron Building. The work was completed in difficult, below freezing (25° F), windy conditions. The main roof was a recovery which saved Newmart Knight Frank, the building's owner, the costly process of tearing off the aged granulated SBS membrane. Alsan RS was applied directly over the SBS membrane creating a watertight surface. Of special interest were the numerous skylights and other difficult flashing situations including time consuming penetrations, bulkheads and chimneys, many with peculiar angles due to the building's unique shape.

