



# EIFS with ROCKWOOL™ Stone Wool Insulation

Exterior Insulation and Finish Systems (EIFS) with ROCKWOOL stone wool insulation provide added performance to traditional systems that use rigid foam. Superior fire resilience, reliable long-term energy efficiency, moisture control and acoustic comfort are only part of the value a fully engineered facade system with stone wool offers. Always follow the specification and installation instructions from the EIF system holder when designing and constructing code approved assemblies.

**Fire**  
Noncombustible, Class A (CAN/ULC S102) insulation permitting use of EIFS in noncombustible construction, including in walls with unprotected opening from 0-10%, and in lot line considerations

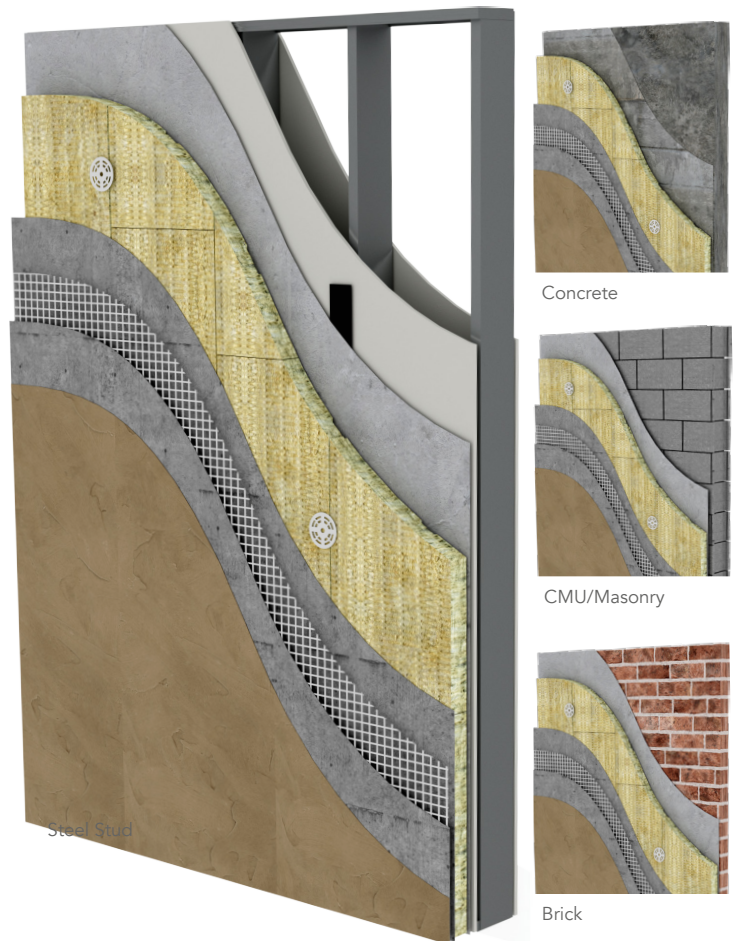
**Moisture**  
Contributes toward EIFS that allow for a high degree of drying potential with the ability to use a fabricated Geometrically Defined Drainage Cavity (GDCC) for drainage efficiency of incidental moisture ingress into the wall cavity

**Durability**  
Provides a stable substrate without causing undesirable stress on the EIFS lamina and added flexibility supports improved impact resistance when basecoat and mesh laminas are used

**Acoustics**  
Improved acoustic dampening for a quieter environment, particularly valuable for construction in urban environments, tested in accordance with ASTM E1332

**Thermal Performance**  
ROCKWOOL products provide a stable R4 per inch and maintains its thermal performance over the lifetime of the building

**By Nature**  
Manufactured from one of the world's most abundant raw materials without the use of blowing agents or toxic flame retardants, EIFS with stone wool contributes towards LEED credits for your project



For a complete list of tested and code compliant EIFS with ROCKWOOL stone wool insulation, visit [rockwool.com/EIFS](http://rockwool.com/EIFS)





Need sample material for a product review or mock-ups?  
Contact your local ROCKWOOL representative for more information  
on EIFS product and system samples

## Project Highlight Ken Soble Tower

The Ken Soble Tower project sought to rehabilitate a post-war apartment in Hamilton, Ontario. The building was upgraded, inside and out, to achieve Passive House standard, reducing greenhouse gas emissions by an impressive 94%.

The goal of this project was to retrofit the building to achieve EnerPHit certification, a branch of the Passive House (PassivHaus) standard designed specifically for retrofits. An EIF system incorporating ROCKWOOL stone wool insulation was chosen for the cladding retrofit solution. ERA Architects liked three main things about the system: the non-combustibility offered by the stone wool insulation, the excellent moisture control of the stone wool and the unique, built-in drainage layer cut into the back side of the insulation; and the liquid applied water resistive barrier used in the system. In all, 50,000 sq. ft. of ROCKWOOL stone wool insulation was incorporated into the new façade, helping to realize the R-38 effective R-value required to achieve EnerPHIT certification.

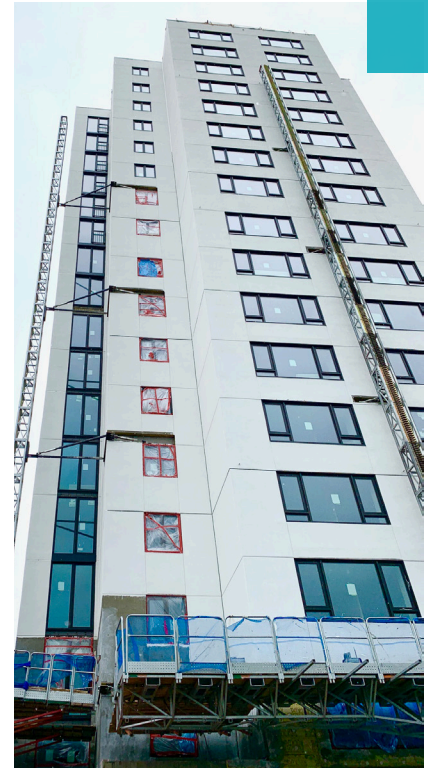
ERA Architects notes that Ken Soble Tower “demonstrates passive resilience to extreme conditions: In case of failure of active systems, the building will stay warm in winter for up to two days (compared to 2 hours in a typical building) and below dangerous heat levels in summer for up to four days (compared to half a day in a typical building)”.

The retrofit positions Ken Soble Tower as a true asset as well as a proud and prominent landmark in Hamilton’s waterfront—fitting, as it now stands as one of the world’s largest EnerPHit certified projects.

**ROCKWOOL is committed to assisting you in achieving your project’s highest performance by offering building science expertise and technical support services. Complimentary services provided by our technical and building science experts include:**

- Building science resources, technical and product support
- Educational seminars and architectural visits
- Envelope detailing and material specifications
- R-Value calculations
- Thermal bridging modeling
- Heat, air, moisture and acoustic modeling

To get in touch with the ROCKWOOL technical team, visit [rockwool.com/contact](http://rockwool.com/contact) or call at 1.877.823.9790



## Project Details

**Architect:**  
ERA Architects

**Contractor:**  
PCL Construction

**Passive House Consultant:**  
JMV Consulting

**Location:**  
500 MacNabb St. – Hamilton, ON

**Year:**  
Spring 2021

**Project Size:**  
18 stories, 146 units, > 80,000 sq. ft

**ROCKWOOL Product & Application:**  
ROCKWOOL Stone wool insulation - 50,000 sqft of 6”x24”x48” as part of the DuROCK PUCCS NC Exterior Insulation and Finish System (EIFS)