



Smartrock®



ROCKWOOL Smartrock® is a stone wool insulation board with an integrated smart vapor retarder designed for continuous insulation and vapor control on the interior side of exterior concrete and masonry wall assemblies. When properly detailed, Smartrock provides thermal, vapor, and air control in one product, creating a high-performance enclosure design.



Thermal Control

Smartrock provides a stable, long-term thermal performance, even with changes in temperature



Smart Vapour Control

Smartrock has an integrated smart vapor retarder to control vapor movement through the assembly, allowing the substrate to dry in both directions



Airtightness

The integrated membrane provides an airtight layer when installed with proper sealing of insulation joints, fasteners, and other penetrations, and can be used as part of an air barrier assembly under IECC Section C402.6.2.3.2.



Fire Resilience

Smartrock is a Class A fire rated material in accordance with ASTM E84, and is classified as a noncombustible material in accordance with IBC Section 703.3.1.



Efficient Installation

Smartrock offers fast and straightforward installation with only standard construction tools required (i.e., drill, hammer)



Smartrock has received ICC-ES validated product acceptance within ESR-5374 and AC 566 for installation on the interior side of exterior mass wall assemblies.*

*Thermal, air and vapor control layer usage will vary. Consult with a qualified building enclosure professional for project-specific requirements.





Case Study: Revitalizing a Historic Carriage House

A historic 100-year-old carriage house in Brooklyn, NY was transformed into a modern, PHI and Phius certified office by City Line Interiors and 475 High Performance Building Supply. Using ROCKWOOL Smartrock® for insulation on the interior of the existing masonry walls, the project achieved energy efficiency, durability, and sustainability while preserving the building's historic façade.

Read the full case study[®]



Product sku Profile

Product #	Dimensions	R-value (4.2/inch)
360617	2" x 24" x 48"	8.4
360618	2.5" x 24" x 48"	10.5
360619	3" x 24" x 48"	12.6
360620	3.5" x 24" x 48"	14.7
360621	4" x 24" x 48"	16.8
360622	4.5" x 24" x 48"	18.9
360623	5" x 24" x 48"	21

Understanding SMART vapor technology

The integrated smart vapor retarder – utilizing INTELLO PLUS by Pro Clima – provides smart vapor control, or vapor variability. This allows the assembly to adapt to changing seasons and varying humidity conditions, minimizing the risk of damage from freeze-thaw changes in the masonry and reducing the potential for entrapment of moisture within the building enclosure.

Additional Resources

- Tech Data Sheet[®]
- Installation Instructions[®]
- Construction Details:
Existing Multi Wythe Masonry Retrofit[®]
- Smartrock Product Specification[®]
- Application Guide: Interior-Insulated Mass Wall[®]

For complete product information, specifications and technical data, visit rockwool.com/smartrock