

polyiso continuous insulation

PROJECT PROFILE

RMAX® BELOW GRADE

Exterior Wall & Foundation Insulation

MERIDIA VILLAGE COMMONS

South Orange, New Jersey



Project Description

The mixed-use development known as Meridia Village Commons is situated in the heart of South Orange, New Jersey's downtown. 106 luxurious apartments and 8,500 square feet of dining, shopping, and other facilities make up this excellent residential/retail area.

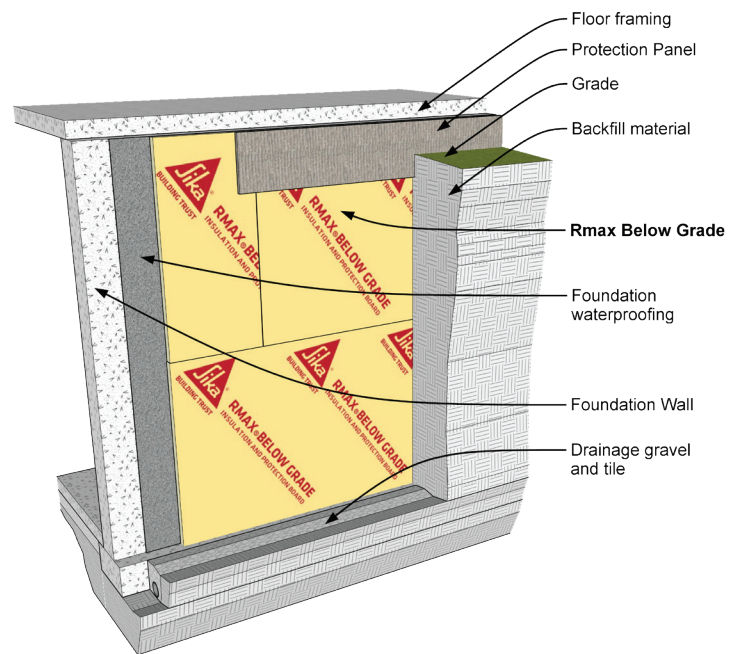
Goal

Beneath the ground level of retail and restaurants is a fully conditioned basement space, which needs to maintain constant indoor temperatures efficiently.

Solution

The general contractor, Capodagli Property, chose Rmax® polyiso continuous insulation to insulate the below-grade exterior concrete walls because it delivers a high R-value per inch, excellent moisture resistance, and superior protection.

Also, the installation method is the same as installing XPS, with less material and more protection. Zero time used for application install training, keeping the project on track.



Below-Grade Exterior Wall Application

Mixed-Use / Multifamily

Architect

Haley Donovan, LLC

General Contractor / Installer

Capodagli Property Company, LLC

Project Location

South Orange, New Jersey

Project Size

10,000 sq. ft.

Insulation Used

2" Rmax Polyiso Insulation

Project Status

Completion



Continuous Insulation for Below-Grade Exterior Walls

Rmax® Below Grade is an energy-efficient thermal insulation and protection board composed of a polyisocyanurate (polyiso) foam core bonded to reinforced polymeric facers on each side. Polyiso's closed-cell and closed matrix foam core, along with its durable facers, create a multi-layered defense against water absorption and protection during backfill making it a great choice for below-grade applications.

DURABLE FACER, ADDED PROTECTION

Rmax® Below Grade has a high-strength, water-shedding facer for added foundation protection.

ACHIEVES THERMAL PERFORMANCE

Higher R-value per inch compared to XPS & other insulation. Rmax® Below Grade meets requirements with a thinner profile.

RESISTS WATER ABSORPTION

The closed-cell & closed matrix of Rmax® Below Grade foam board meets water absorption requirements, with less than 0.3% absorption.

HIGH COMPRESSIVE STRENGTH

At 25 psi, Rmax® Below Grade resists pressures from soil loads that act on the foundation wall, while maintaining superior thermal performance.



BUILDING TRUST



PROJECT PROFILE
MIXED-USE / MULTIFAMILY
Below Grade Exterior Wall