

Partel 

**EXOPERM™ 250**  
**MONO SA**



# WEATHER TIGHTNESS AND PROTECTION FOR MODERN METHODS OF CONSTRUCTION

With **EXOPERM™ MONO SA 250**, Partel brings an advanced self-adhesive breathable membrane, based on proven Monolithic Technology, designed for external and internal applications within the low-energy building sector.

A completely adherent, vapour permeable and weather-resistant barrier for increased protection of assembly during the construction process and long after.



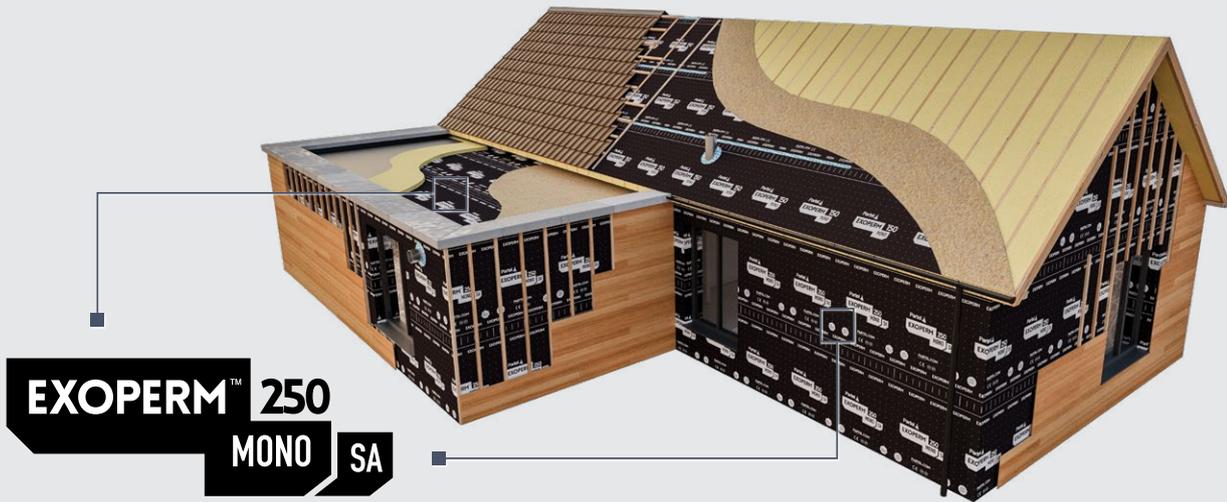
- ✓ Tested for best building energy standards and fire rating
- ✓ Maintains the building fabric integrity, maximising energy efficiency
- ✓ Enables a faster, easier, and safe application for on-site and factory installation methods

# TRUST THE EXOPERM MONO PROTECTION

The increasing use of offsite construction methods demonstrates the demand and effectiveness of new sustainable technologies in the low-energy building sector.

To help ensure high-quality durable structures, protecting the building fabric and timber from moisture is fundamental for all residential developments, commercial constructions, or public buildings.

**EXOPERM MONO SA 250** combines all the advantages of one of our most reliable exterior membranes – **EXOPERM MONO 150**, with complimentary benefits to facilitate new applications.



## KEY FEATURES

- ✔ Integrates Self-adhesive and Monolithic TPE Technology
- ✔ Low Sd value (0.26m) that results in optimum vapour permeability, and thermal stability
- ✔ High-performance acrylic adhesive – ensures seamless airtight and weathertight connections, no primer or adhesive tapes required
- ✔ High workforce productivity onsite and offsite, and fewer installation steps
- ✔ Optimum protection against driving rain and moisture
- ✔ Withstands damp conditions, facilitating durable air and windtight connections
- ✔ Highly tear-resistant and UV-stable for up to 4 months
- ✔ Excellent resistance to corrosion and abrasion
- ✔ Tested for Class B-s1,d0 fire-resistance
- ✔ BBA pending

## EXOPERM MONO SA 250 TECHNOLOGIES

**EXOPERM MONO SA 250** is characterised by a specific composition with 6 functional layers of protection to help avoid structural damage of the building:

### SELF-ADHESIVE TECHNOLOGY

The fully self-adhesive surface of the membrane with the highest quality acrylic adhesive already applied during the production process, solvent-free and low VOC, has a clear advantage when it comes to air quality and a more sustainable built environment.

The integrated adhesive ensures membrane performance, without impacting its breathability function, facilitating primerless, continuous air and windtight connections.



### MONOLITHIC TECHNOLOGY

The Monolithic TPE layer between 2 non-woven PP layers offers advanced moisture vapour transmission rate (MVTR) through diffusion, creating a completely windtight, waterproof membrane that actively expels any water/humidity, for guaranteed longevity of construction.



# COMPLETE WATER RESISTANCE, VAPOUR PERMEABLE EXTERNAL SYSTEM

The unique bonding system of this breathable membrane greatly improves the overall installation process meeting the latest energy efficiency requirements in high-performance buildings.

## FASTER, EASIER APPLICATION

### On-site application



### Factory applied



## AREAS OF INSTALLATION

- ✔ Effective solution for all insulation types
- ✔ Residential and commercial buildings
- ✔ Appropriate for wall and roof applications; also suitable for ceiling / floor timber structures, as temporary protection
- ✔ Suitable especially for MMC - timber frame construction
- ✔ Ideal for timber structures, Cross Laminated Timber (CLT) elements, OBS, steel, or concrete, masonry-type substrates

## TECHNICAL PROPERTIES

PROPERTY	STANDARD	PERFORMANCE
SD-VALUE	EN ISO 12572	0.26 M
WEIGHT	EN-1849-2	250 G/M2
REACTION TO FIRE	EN 13501-1	B1-S1,DO*
NAIL TEAR RESISTANCE MD/CD*	EN-13859-1 (B) /-2(B)	180/200 N
TENSILE STRENGTH MD/CD	EN 13859-1 (B) / -2 (B)	265/155 N / 50 MM
RESISTANCE TO WATER PENETRATION	EN 1928 W1	
VAPOUR PERMEANCE	ASTM E 96	13 US PERM
FLEXIBILITY AT LOW TEMPERATURE	EN 1109	-40°C TO 80°C
UV RESISTANCE	4 MONTHS	
ROLL LENGTH	1.45 /30M	

\*B-s1,d0—when affixed to a non-combustible material; otherwise, Class E applies

\*MD = longitudinal CD = transversal

# TESTED AND TRUSTED

## WEATHERTIGHT PERFORMANCE

**EXOEPERM MONO SA 250** characteristics have been tested (requirements of EN 13859-1 / 2) and certified by Passive House Institute. The highest phA Class ensures the best energy efficiency standard for all new builds and retrofit projects.

Energy-efficient buildings require effective action covering the entire building life cycle.

Partel's new Environmental Product Declaration (EPD) for **EXOEPERM MONO SA 250** allows for sustainable design

choices with scientific evidence for architects, designers, builders and developers. It helps you make informed decisions about design, evaluate circularity of materials and select the right weather-resistant membrane for achieving environmental performance in buildings.

The membrane was also tested by an independent testing authority and achieved Class B1-s1,d0 fire rating, in accordance with BS EN 13501-1:2018, when affixed to a non-combustible material.



## COMPLEMENTARY BUILDING COMPONENTS FOR INTERNAL USE



**MULTI-PURPOSE AIR & WINDTIGHT ADHESIVE TAPE**



**HIGH-PERFORMANCE VAPOUR CONTROL LAYER**



**LIQUID ADHESIVE FOR AIRTIGHT CONNECTIONS**



For your next project, specify **EXOPEM MONO SA 250** system or contact your Partel Technical Consultant to discuss and determine the most effective solution for your project needs.



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