



FOR FOUNDATION WATERPROOFING  
APPLICATION NEEDS

# POLYCORE 5000 IS THE RIGHT CHOICE

POLYCORE 5000 Extruded Polystyrene Foam Insulation provides the moisture resistance and air barrier advantages of thicker insulations, at a more affordable price. When the insulation value of a thicker product is not required, POLYCORE 5000 insulation is an excellent choice for below grade applications.

POLYCORE 5000 Extruded Polystyrene Foam Insulation is a specially formulated 1/2" extruded polystyrene board sealed between select facing materials, and produced in continuous 24' by 4' fanfold sections. Available with a durable film, POLYCORE 5000 insulation can meet high-performance requirements in residential and commercial structures.

## PERFECT FOR FOUNDATIONS

When residing a home, the old siding must be covered with an "underlayment," ensuring a solid, level surface to back up new siding materials. Using POLYCORE 5000 Extruded Polystyrene Foam Insulation can help boost your home's insulation efficiency as well as enhance the appearance of your new siding.



Compliance: This product is UL approved and meets the flame spread and smoke development ratings of the International Building and Residential Codes. Please visit [www.adamsplastics.com](http://www.adamsplastics.com) for more compliance information and CLASSIFICATION CERTIFICATE.

Caution: This product is combustible. Protect from high heat sources.

## IDEAL FOR NEW CONSTRUCTION

POLYCORE 5000 Extruded Polystyrene Foam Insulation offers superior performance in new residential and commercial construction. It provides an economical alternative to other sheathing products that can absorb water or degrade.

## BENEFITS

POLYCORE 5000 Extruded Polystyrene Foam Insulation offer increased energy efficiency, while the product's ease of use and low cost help builders work faster, thus more profit.

## EASE OF INSTALLATION

POLYCORE 5000 Extruded Polystyrene Foam Insulation is lightweight and easy to cut and install. POLYCORE 5000 represents the equivalent of three 4' x 8' sheets.

May be used as alternative water-resistive barrier as prescribed in Section 1404.2 of the IBC, Section 703.2 of the IRC, and Section 1402.1 UBC, when installed on exterior walls as described in this section.

**3M™ Scotch-Weld™ HoldFast 70 Spray Adhesive is tested and approved for use with the POLYCORE 5000 product.**

## ENERGY SAVINGS

The superior characteristics of POLYCORE 5000 Extruded Polystyrene Foam Insulation (air infiltration, insulation performance, vapor permeability and moisture resistance) help homes stay warmer in winter and cooler in summer, free from air leaks that can cause up to 40 percent of normal heat loss or gain.



## BUILD GREEN WITH R.L. ADAMS PLASTICS

R.L. Adams Plastics supports initiatives that help preserve our environment, and we strive for environmental sensitivity in our manufacturing processes and in our products. R.L. Adams produces insulating foams that:

- contain no VOCs\*
- are formaldehyde-free
- are not a known food source for mold or insects
- are recyclable (extruded polystyrene)

\* Visit [www.goadams.com](http://www.goadams.com) for more information in the Building Products section under Environmental Benefits

**TABLE 1: TYPICAL PHYSICAL PROPERTIES OF POLYCORE 5000 EXTRUDED POLYSTYRENE FOAM INSULATION**

Property and Test Method	Value
Thermal Resistance @ 1/2", ASTM C518 @ 75°F mean temp., ft <sup>2</sup> •h•°F/Btu, R-value <sup>(1)</sup> , min.	R 2.2
Density, ASTM D1622 Fresh, foam core only, min.	2.2
Fresh, foam core, max.	2.7
Flame Spread <sup>(2)(3)</sup> , ASTM E84	0#
Smoke Developed <sup>(4)</sup> , ASTM E84	10#
Bundle Size	4' x 24' (96 sq ft)
Bundles Per Pallet	45
Cap Sheet	1.5 mil clear polyethylene blend film; both sides
Compressive Strength	31.5 psi

(1) R means resistance to heat flow. The higher the R-value, the greater the insulating power.

(2) This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(3) Installed in a thickness, or stored in an effective thickness, as indicated, for a density of 2.5 pcf.

(4) Flame spread and smoke developed recorded while material remained in original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 10 and smoke developed classification of 450 to over 500.

USE POLYCORE 5000 EXTRUDED POLYSTYRENE FOAM INSULATION ON YOUR NEXT NEW BUILD PROJECT

Call your R.L. Adams Plastics representative for more details.

NOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. Dow assumes no obligation or liability for the information in this document. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DOW. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult [www.goadams.com](http://www.goadams.com) or call RL Adams Plastics 1-800-968-2241 or contact your local building inspector.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

3M and Scotch-Weld are trademarks of 3M Company.



[www.goadams.com](http://www.goadams.com)

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Printed in U.S.A.

Form No. RLAD0012-0914  
MCKAY223780