



System Overview

Dryvit's Drysulation is a cost-effective external wall insulation (EWI) system suitable for use on new construction or refurbishment projects. The system is based on a simple premise...insulation is more effective when placed on the exterior of a building.

By bringing insulation to the outside of external walls, this barrier EWI eliminates thermal bridges; reduces air, wind and moisture penetration through the system; stabilises the interior environment and minimises thermal shock.

Drysulation has been independently certified for use with either standard (white) or high performance low lambda grade (grey) expanded polystyrene (EPS) to meet the thermal needs of all wall and building types. It also has a wide range of finish options to suit architectural requirements.

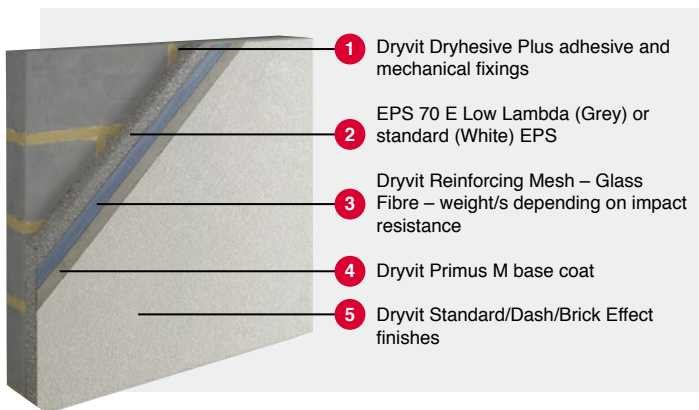


Benefits

- **Design freedom.** Drysulation can be installed over a variety of solid substrates. EPS insulation is lightweight and can be cut or grooved to various shapes and surface patterns.
- **Energy efficiency.** Drysulation enables new or existing buildings to meet strict energy efficiency requirements. The option to incorporate high performance low lambda EPS assists in meeting even the most demanding carbon management plan. Heating or cooling costs are demonstrably lower compared to other exterior materials.
- **Weatherability.** Dryvit EWI systems are formulated to provide the utmost in weather protection, providing a resilient barrier against the elements.
- **Durability.** The combination of system components provides unsurpassed long-term durability meeting design requirements for use in virtually any location. The system can be designed to provide a 60 year durability.
- **Aesthetics.** Dryvit finishes are available in a wide array of textures in both standard and custom colours.
- **Cost effective.** Drysulation is easy to install and routine maintenance is minimal.
- **Testing.** Drysulation has ETA certification and independent certification from BBA. Dryvit manufacturing plants are ISO 9001 certified, demonstrating the highest standards of quality and consistency.

DRYVIT DRYINSULATION SYSTEM

A polymer-based barrier external wall insulation system incorporating EPS 70E standard (white) grade or Low Lambda (grey) expanded polystyrene (EPS) insulation. British Board of Agrément Certificate No. 98/3548 Product Sheet 5.



SUBSTRATE TYPES

There are many construction materials, which can be utilised as effective substrates with the Dryinsulation system. Common substrates include, in-situ concrete, pre-cast concrete, blockwork, brick, render, Wimpey No-fines and exposed aggregate panels.

For guidance on substrate tolerances and the correct fixing method to withstand the thermal stresses and wind loads to satisfy BS EN 1991-1-4 and BS EN 1990, please consult Dryvit UK Ltd.

APPLICATION

Application of the system is carried out by Specialist Installers employing operatives who have been trained in the use of Dryvit materials. In addition, Dryvit are committed to providing on site support to their network of Specialist Installers when called upon. Details of recommended Specialist Installers are available from Dryvit UK Ltd.

THERMAL PERFORMANCE

U-value and condensation risk calculations are carried out by Dryvit upon request to ensure that the correct thickness of insulation is recommended for each project to meet target requirements. U-value calculations can then be incorporated within the buildings target SAP calculation.

Thermal conductivity values of insulation

Dryinsulation - white expanded polystyrene - 0.038 W/mK
grey expanded polystyrene - 0.031 or 0.032 W/mK

STANDARD DETAILS

Standard details are available for the Dryinsulation system and can be downloaded from www.dryvit.co.uk

Dryvit offers a CAD service to produce bespoke details in line with specific project needs.

FINISHES

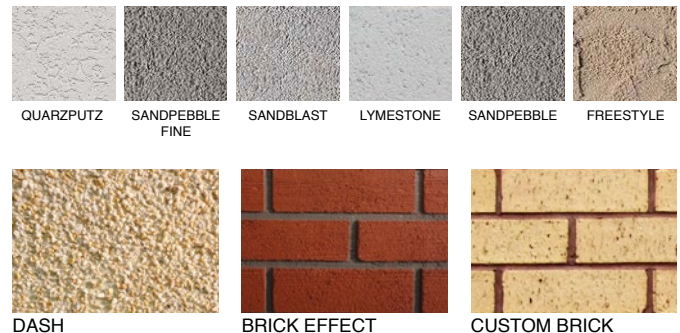
High performance PMR, Dryvit HDP and FD PMR finishes are offered as the standard with the Dryinsulation system. HDP textured finishes incorporate silicone-based technology that promote hydrophobic properties, which repel water resulting in less dirt pick up and a cleaner wall appearance. FD PMR finishes are premixed 100% acrylic finishes containing Dirt Pickup Resistance (DPR), Proven Mildew Resistance (PMR) technology and a film forming accelerator for improved resistance to early age wash off.

The standard finish range is available in six different textures with over 360 chart colours to select from. If your desired colour is not available from our standard finish range then we have a colour matching service that will be sure to satisfy your requirements.



STANDARD RANGE - HDP™

STANDARD TEXTURE RANGE



WARRANTY

- Standard 10 Year "Dryvit Warranty" available on all projects upon written request.
- 10 - 25 Year third party insurance backed warranty options available covering materials and installation.
- 'Back to Back' warranties available on request from partnering material suppliers and installers.

For more information on warranties please contact Dryvit UK Ltd. or visit our web site www.dryvit.co.uk



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