

Drybase® Liquid-Applied DPM

Drybase® ECS Epoxy Floor Coatings

Drybase® ECS CR Epoxy Coating

Drybase® Flex Membrane

# Drybase® Damp-Proof Barriers and Coatings



# The Drybase® System – Drybase® Liquid-Applied DPM

# **Drybase® Liquid Applied DPM**

A ready-to-use liquid-applied damp-proof membrane. The easy application is carried out in two coats, with a brush or roller. Once applied, it cures to form a flexible and elastic damp-proof membrane.

It is ideal for use on damp floors and floor-wall junctions, before the application of floor and wall coverings. It can also be used to isolate embedded timber joists or to act as a barrier to ground gases. Its excellent adhesive qualities also make it suitable as an adhesive primer.

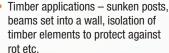
### **Benefits**

- · Damp-proof barriers for floors and walls
- · Single component, easy-to-use
- · Can act as a barrier to gases and vapours
- · Applicable to a wide range of materials
- · Quick drying time

### **Applications**

- Damp-proof barrier between DPC and ground level
- · Damp-proofing floor slabs
- Barrier to salt attack before replastering
- Fast track installation of flooring over newly built floor slabs.







White

- · Gas barrier for carbon dioxide, methane and radon
- Vapour barrier for use in conjunction with internal wall insulation (IWI)





### **Water and Gas Resistance**

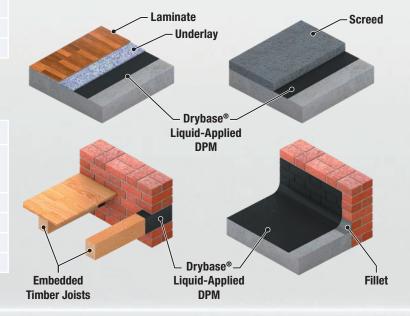
Water (liquid)	Resistance 20 metre head (positive pressure)						
Water Vapour Permeability	< 4 g/m²/24 hours at 25 °C/75 % RH following BS 3177						
Methane Resistance	10 times more resistant than LDPE						
Radon Resistance	Radon barrier at 2 mm thickness						

# **Adhesive Properties**

Pull-off force	1.3 – 2.1 N/mm <sup>2</sup>						
Pull-off force after 3 months soak in water	1.0 N/mm <sup>2</sup>						
2.5 N/mm <sup>2</sup>							
0.5 N/mm <sup>2</sup> with fail	ilure of the block						
>1.0 N/mm²							
>1.0 N/mm <sup>2</sup>							
	Pull-off force after 3 months soak in water 2.5 N/mm <sup>2</sup> 0.5 N/mm <sup>2</sup> with fail >1.0 N/mm <sup>2</sup>						

# **Mechanical Properties of Cured Film**

Tensile Strength	4 N/mm <sup>2</sup>
Elongation at Break	350 %



# The Drybase® System – Drybase® ECS Epoxy Floor Coatings

# **Drybase® ECS Epoxy Floor Coating**

A hard-wearing and stain-resistant floor coating that is supplied as a two-part water-dispersed epoxy resin. It is applied in two coats using a brush or roller. **ECS Epoxy Floor Coating** is ideal for use as a final surface in light industrial factory areas, warehouses, storage areas and garages. The coating is dampresistant, stain-resistant and able to withstand foot and light vehicular traffic.

#### **Benefits**

- Effective barrier to damp and staining
- Creates hard wearing and trafficable surface
- Suitable for domestic or light industrial use

### **Applications**

- Treating damp and staining problems in solid concrete floors (e.g. garage floors)
- · Floor and wall coating for kitchens and other food-processing areas
- · Light industrial factory areas to give resistance to foot and light vehicular traffic
- · Warehouse and storage areas









# **Drybase® ECS CR Epoxy Coating**

A two-part water-dispersed epoxy resin, similar in form and application method to **ECS Epoxy Floor Coating**, with enhanced chemical-resistance characteristics. It is applied in two coats, using a brush or roller. Once cured, the chemically resistant coating is ideal for use on floors and walls in industrial production facilities, laboratories or as a bund lining coating.

### **Benefits**

- · Excellent chemical-resistance
- Superior crack-bridging characteristics
- · Suitable for exterior use

### **Applications**

- · Bund walls and floors
- · Laboratory floors and walls
- · Specialist warehouse and storage facilities



Black

# **Chemical Resistance of Drybase® ECS Epoxy Coatings**

	Hydrochloric Acid (Conc.)	Nitric Acid 25%	Sulphuric Acid 50%	Sodium Hydroxide 50%	Ammonia 10%	White Spirit	Methylated Spirit	Xylene	Lubricating Oil	Petrol	Skydrol	Sodium Hypochlorite (Bleach)	Salt (Sodium Chloride Saturated)	Ammonium Sulphate 10%
Drybase® ECS Epoxy Floor Coating	Fair	Fair	Fair	Good	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Good
Drybase® ECS CR Epoxy Coating	Fair	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

# The Drybase® System – Drybase® Flex Membrane

# **Drybase® Flex Membrane**

A watertight low-profile sheet membrane for protection against dampness in walls without the need to drill and install plugs. The membrane is a 1.5 mm thick flexible polypropylene sheet with a fleeced surface on both sides. The two fleeces ensure good adhesion to the wall by means of **Drybase® Flex Adhesive**, as well as the direct application of plaster to the face.

**Drybase® Flex Adhesive** is a polymer modified cement-based product used to fix **Drybase® Flex Membrane** to walls. It is supplied in powder form ready to be mixed with water, and applied using a suitable trowel.

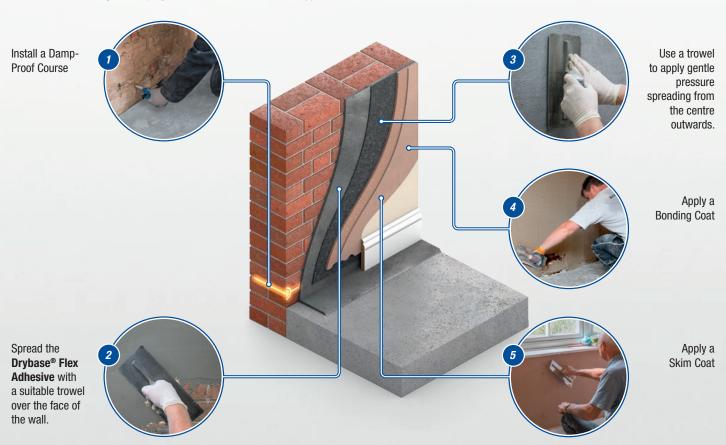
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### **Benefits**

- · Fast complete replastering in under 12 hours
- Low profile matching in with existing plaster
- · Apply plaster finishing coat immediately
- · Compatible with standard gypsum plaster
- · No need for drilling or wall plugs

### **Applications**

- · Ideal for matching in with existing thin plaster coatings
- · Walls suffering from dampness or salt contamination
- · Chimney breasts
- · Problem areas where the source of dampness cannot be easily identified
- · Can be applied to curved walls and surfaces



# **Drybase® Damp-Proof Coatings**

It is often necessary to apply damp-proof barriers over floors and walls – for example when an existing damp-proof course underneath a floor slab has become damaged, or where a rain penetration problem cannot be addressed from the outside of the building due to access constraints.

The Drybase® range of products allows damp-proof membranes to be applied over walls and floors in both new-build and refurbishment situations.

Deciding which **Drybase®** product to use will depend on a number of factors such as whether a trafficable surface is required or whether a plaster finish or screed needs to be applied on top. Some products in the range provide additional benefits such as chemical resistance.

Our technical department can be contacted on 01403 210204 to discuss the best choice of product for a specific project.



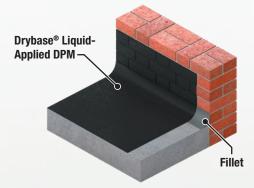




# **Drybase® Liquid-Applied DPM**

### Provides a damp-proof membrane beneath surface coverings

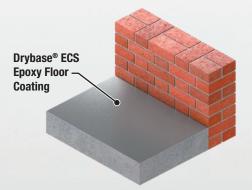
**Drybase® Liquid-Applied DPM** should be used in situations where an under-surface damp-proof membrane is required. The excellent adhesive qualities and quick drying time of **Drybase® Liquid-Applied DPM** make it extremely versatile. It is ideal for use in a wide range of situations and substrates such as: under floor coverings, beneath decorative surfaces, on internal wall joints or on timber joists.



# **Drybase® ECS Epoxy Floor Coatings**

### Provides a damp-, stain- or chemically-resistant floor surface

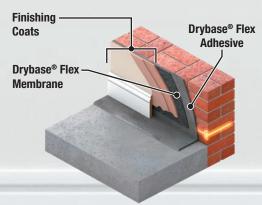
**Drybase® ECS Epoxy Floor Coatings** are for use on floor surfaces where damp-, stain- or chemical-resistance is required. There are two ECS Epoxy Floor Coating products in the Drybase® range. The standard **Drybase® ECS Epoxy Floor Coating** is ideal for domestic and light industrial areas that require a hard wearing damp and stain resistant floor surface. **Drybase® ECS CR Epoxy Coating** can be used on surfaces that require resistance to a wide range of different chemicals.



# **Drybase® Flex Membrane**

### **Provides fast salt resistance for damp walls**

**Drybase® Flex Membrane** is a highly durable and flexible membrane for direct application to walls that have been affected by dampness and salt contamination. The fleece-lined membrane can be quickly and easily applied to walls using the specially formulated **Drybase® Flex Adhesive**. It can be plastered onto directly, creating a versatile solution to the problem of damp walls, when it is not possible to stop the damp at its source.



## **Precautions**

Read instructions and health and safety data sheet (available upon request) before use.

### **Guarantees**

Call Safeguard on 01403 210204 for details of specialist contractors who offer guarantees on Drybase® installations.

### **Further information**

For health and safety information see the Safety Datasheet (available upon request).

# www.safeguardeurope.com/drybase





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