

HDP™ FINISHES

Textured Silicone-based Technology Finishes With HydroPhobic Properties



DUK 811



PRODUCT DESCRIPTION

HDP finishes are premixed silicone-based technology finishes which are offered in five textures (Quarzputz HDP, Sandblast HDP, Sandpebble HDP, Sandpebble Fine HDP and Limestone™ HDP). HDP finishes are hydrophobic; they repel water, resulting in less dirt pick up and a cleaner wall appearance.

FEATURES & BENEFITS

FEATURE	BENEFIT
• Hydrophobic	Improved dirt repellence and reduced algal growth
• Extensive colour range	Decorative and visually pleasing
• Vapour Permeable	Allows vapour transmission

PROPERTIES

HDP Finish Testing			
Test	Test Method	Criteria	Results
Surface Burning Characteristics	BS EN ISO 11925-2 and BS EN 13823	Classification to BS EN 13501	B-s2-D0 classification as part of the Drysulation system
Water Vapour Transmission	ASTM E 96 Procedure B	Vapour Permeable	46 Perms
Accelerated Weathering	ASTM G 155 – Cycle 1 (Xenon Arc)	ICC: 2000 hours: No deleterious effects ¹	2000 hours: No deleterious effects ¹
Freeze-Thaw Resistance	ASTM E 2485-06	AC219: 10 cycles: No deleterious effects ¹	No deleterious effects ¹ after 10 cycles
Mildew Resistance	ASTM D 3273	No growth during 28 day exposure period	> 28 days: No growth
Salt Spray Resistance	ASTM B 117	300 hours: No deleterious effects ¹	No deleterious effects ¹ after 300 hours
Tensile Bond	ASTM C 297/E 2134	15 psi minimum	> 18.6 psi
Water Resistance	ASTM D2247	ICC and ANSI/EIMA 99-A-2001 14 days: No deleterious effects ¹	42 days: No deleterious effects ¹
Abrasion Resistance	ASTM D968 Method A Falling Sand	ANSI/EIMA 99-A-2001 500 litres (528 quarts): No deleterious effects ¹	1000 litres (1057 quarts) : No deleterious effects ¹
	ASTM D4060 Taber Abrasion (1 kg load)	No ICC or ANSI/EIMA criteria	1000 cycles: 107 mg mass loss
VOC (g/l)			< 50 g/l

1. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification.

USES

HDP finishes are durable architectural finishes providing surface colour and texture for Dryvit systems. These finishes can also be applied over properly prepared substrates such as exterior masonry, stucco, precast or cast-in-place concrete and other acceptable substrates. The finishes are also suitable for interior applications. All finishes can be trowel or spray applied with a hopper gun or pole gun-type sprayer.

COLOURS

Standard as well as custom colours available.

PACKAGING

32 kg pails.

COVERAGE

Quarzputz HDP:	13 m ² per pail.
Sandblast HDP:	14 m ² per pail.
Sandpebble HDP:	12 m ² per pail.
Sandpebble Fine HDP:	15 m ² per pail.
Limestone HDP:	14 m ² per pail.

All coverages are approximate and depend upon substrate profile, details and individual application technique. Estimates take no account of wastage.

SPECIFICATION

Specification clauses relating to this product can be found in NBS sections M21 Insulation with Rendered Finish, M20 Rendering and M60 Acrylic based finishing coatings. Please consult Dryvit UK Ltd.

HDP™ FINISHES

Textured Silicone-based Technology Finishes With HyDroPhobic Properties

PREPARATION

Wall surface must be smooth and free of imperfections to ensure satisfactory finish appearance.

Interior or exterior surfaces must be above 4°C and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

Dryvit Reinforced Base Coat: The base coat must be dry and cured for a minimum of 24 hours before application of any finish.

Concrete: Shall have cured a minimum of 28 days prior to application of the finishes. If efflorescence, form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly acid washed and rinsed clean. All projections shall be removed and small voids filled with Dryvit Primus, Primus M, Rapidry DM™ 30-50, Rapidry DM™ 50-75, Genesis or Genesis DM mixture (see product data sheets for mixing and application). Dryvit Color Prime™ shall be applied to the prepared concrete surface (see product data sheet for mixing and application) prior to application of the finish.

Masonry: The masonry surface, with joints struck flush, shall be "skim coated" with Primus, Primus M, Primus DM, Rapidry DM™ 30 - 50, Rapidry DM™ 50 - 75, Genesis or Genesis DM mixture (see product data sheets for mixing and application) to produce a smooth, level surface.

Render: Dryvit Color Prime or Primer with Sand™ shall be applied over the cured brown coat surface (see product data sheet for mixing and application) prior to applying the finish. If additives are present in the render, a test patch shall be made and bond strength checked prior to application.

MIXING

Some settling of the finish may occur during shipping. Thoroughly mix the finish with a slow speed drill (400-500rpm) and paddle until a uniform workable consistency is attained. A small amount of clean potable water may be added to adjust workability. Always add the same amount of water to each pail to avoid colour variation.

APPLICATION METHOD

Quarzputz HDP or Sandblast HDP: using a stainless steel trowel, apply and level a coat of Quarzputz HDP or Sandblast HDP to a uniform thickness (Quarzputz HDP – no thicker than the largest aggregate; Sandblast HDP – applied in a thickness of 1.2 mm – approximately 1.5 times the largest aggregate).

Sandpebble HDP and Sandpebble Fine HDP: roughly apply an even coat of finish to a thickness slightly thicker than the largest aggregate size. Then pull across the rough application coat using a horizontal trowel motion and develop a uniform thickness no greater than the largest aggregate of the material. The textures are achieved by uniform hand motion and/or type of tool used. Maintain wet edge for uniformity of colour and texture.

Limestone HDP: using a stainless steel trowel, apply and level a coat of Limestone HDP finish to a uniform 'tight' thickness. Allow this first coat to become dry to the touch. Apply a second coat similar to the first. Float the finish lightly with a plastic float. After the finish has taken up slightly, trowel again with either a stainless steel trowel or plastic float. Important: Use the same final trowelling tool and hand motion over the entire wall.

MAINTENANCE

All Dryvit products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication RMS01 on cleaning and recoating.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit UK Ltd. products as of the date of publication of this document and is presented in good faith. Dryvit UK Ltd. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit UK Ltd.

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STORAGE

Finishes must be stored at a minimum of 4°C and a maximum of 38°C in tightly sealed containers out of direct sunlight.

CAUTIONS & LIMITATIONS

HDP finishes must not be used on exposed exterior horizontal surfaces. Minimum slope is 1:2 which is 27 degrees. Maximum slope length 300 mm.

HDP finishes shall not be used below grade when applied as the finish for a Dryvit system.

HDP finishes are not intended for direct-applied, vertical applications over exterior type gypsum based sheathing board, foam plastic insulation or other type insulation board.

HDP finishes shall not be returned into any sealant joint. Instead, a coat of Dryvit Color Prime™ or Dryvit Demandit should be applied over the base coat in the joint.

Minimise exposure of materials to temperatures over 32°C.

HDP finishes exposed to temperatures over 43°C for even short periods may exhibit skinning, increased viscosity, and should be inspected prior to use.

CLEANING

All equipment must be washed with clean water immediately after use and while the finishes are still wet.

HEALTH & SAFETY

Wear suitable protective clothing and eye protection. The use of barrier creams provides additional skin protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water.

DISPOSAL

HDP finishes are not listed as dangerous waste, but disposal must be in accordance with local and national legislation. The European waste code for Polymer Emulsions is 08 01 12. Fully cured residues are not considered as hazardous waste.

FIRE

HDP finishes are non-flammable.

FURTHER INFORMATION

Refer to Application Instructions and the product Safety Data Sheet.

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