NBS model specification

M60 painting/clear finishing

Dryvit Acrylic Based Finish Coatings

Incorporating:
SG M60-Dryvit/110A

www.dryvit.co.uk
DRYVIT ACRYLIC-BASED FINISH COATINGS

PRODUCT DESCRIPTION

Dryvit Acrylic-Based Finish Coatings are available in a variety of textures, colours and performance, both for external and internal applications.

The systems are suitable for a wide range of applications for new and renovation/restoration of commercial (institutional, office, healthcare, retail, hotel, industrial, government) and residential buildings.

SCOPE

This specification is based on NBS standard version M60 dated August 1997 and is intended to be used with the standard or intermediate version of this section to produce project specifications.

For guidance on the specification of other Dryvit products see specification guides:

H20 – Rigid Sheet Cladding

SG H20-Dryvit/150, Dens-Glass® Gold

H92 - Rainscreen System: Insulation with render

SG H92-Dryvit/120A, Infinity® Wall System

M20 - External Insulation and Finish Systems

SG M20-Dryvit/160A, Dryvit ACR 300™
SG M20-Dryvit/160B, Dryvit ACR 200™
SG M20-Dryvit/160C, Dryvit ACR 150™
SG M20-Dryvit/160D, Dryvit ACR 100™
SG M20-Dryvit/160E, Dryvit ACR 50™

M21 – Acrylic Based Anti-Crack Render Systems

SG M21-Dryvit/210A, Outsulation® Plus System
SG M21-Dryvit/210B, Outsulation® System
SG M21-Dryvit/210C, Roxsulation® System
SG M21-Dryvit/210D Residential MD System®
SG M21-Dryvit/220A, Dryvit Rail System™

Dryvit specification clauses are also available in NBS Plus to registered subscribers.
GUIDANCE ON USE

INTRODUCTION

Specification Guides

These are produced by manufacturers to facilitate the specification of their products in NBS. A license must be obtained from NBS Services prior to publication, which requires model specifications to be compatible with the correspondence NBS work section.

Specification Guides contain a set of ‘proprietary’ clauses-edited versions of generic NBS clauses, and new clauses written by the product manufacturer. To specify the product, some or all of these clauses are incorporated in the corresponding NBS work section. It is not possible to produce a project specification by using the clauses from the Specification Guide in isolation-generic clauses must also be used.

An unlimited number of Specification Guides can be used to specify products in an NBS work section. e.g. Specification Guides by several manufacturers could be used to specify Painting/Clear Finishing in section M60.

Specification Guides are based on the corresponding NBS Standard Version, but can generally be used in conjunction with the Standard or Intermediate Version.

Reference numbers

Each NBS specification guide is identified by a unique reference number, e.g. SG M60-Dryvit/110A (Specification Guide M60-Dryvit/110A Acrylic-based finish coatings).

Clause numbers

Edited versions of NBS clauses are given a new clause number with a single character suffix, e.g. clause M60/110 might become M60/110A etc.

Clauses written by the product manufacturer are allocated a new clause number - these also include a single character suffix, e.g. M60/110A.

Model specifications index

This is located in the first ring binder, and in the NBS for Windows and Specification Manager manuals. It comprises a ‘Model Specifications Index’ which lists the model specifications available in each work section, and a ‘List of Manufacturers’ which lists the model specifications produced by each company.

Specification Guides need to be revised when the manufacturer makes changes to the product of product range. They may also need to be revised following an update of the NBS work section on which they are based. Appropriate details will be provided in the Model Specifications Index, which should be checked to ensure a current Specification Guide is being used. The index is revised twice a year to coincide with NBS updates, but if in doubt about the status of a Specification Guide, check with the manufacturer using the telephone or fax numbers shown on the first page of this document.

SPECIFICATION PRODUCTION

Using a computer

These instructions will be appropriate if you are producing a product specification ‘on screen’ using Specification Manager or a word processing package - for the latter it is necessary to have access to NBS text files through membership of the NBS disc service or NBS for Windows.

If you also have access to a text file containing the Specification Guide, copy and paste the clauses you require into the appropriate NBS text file(s). Otherwise, edit the text file(s) in accordance with the alterations shown in the Specifications Guide - the following conventions are used:

- ‘Proprietary’ text is shown in bold italics.
- Irrelevant or inappropriate NBS text is shown ‘struck out’.

The ‘proprietary’ text added to the NBS computer file should be formatted in a plain font style, not in bold italics. The latter is only reproduced on paper copy for the identification purposes explained above.

Complete the specification in the normal manner, with the help of clause guidance from the NBS section and the Specification Guide.

Ensure that clause numbers are not duplicated especially where they have been incorporated from more than one Specification Guide.

Using mark-up copy

You need an NBS mark-up copy of the relevant work section (or a print out from your computer), and a photocopy of the Specification Guide to use as supplementary mark-up copy. Use these side by side and complete the specification in the usual manner, selecting NBS and Specification Guide clauses as appropriate.

As work proceeds, record the selection of Specification Guide clauses in the margin of the NBS mark-up copy, e.g. Insert 110A [refer to separate page] between NBS clauses 110 and 120.

Ensure that clause numbers are not duplicated especially where they have been incorporated from more than one Specification Guide.

Inform the person who is going to word process the specification about the text formatting conventions described above (see ‘Specification production using a computer’). They should also understand that mark-up copy which includes a company name or logo in the header originates from a Specification Guide - the clauses on these pages will not be found in the NBS text file and will need to be copied across or keyed in as described above. The specification is completed in the normal manner by editing the NBS text file in accordance with the hand-written notes on the mark-up copy.
GUIDANCE NOTES

MODEL SPECIFICATION CLAUSES

M60 DRYVIT ACRYLIC-BASED FINISH COATINGS

To be read with Preliminaries/General conditions.

Dryvit UK Ltd.
Unit 4 Wren Park, Hitchin Road, Shefford, Beds. SG17 5JA
Telephone: 01462 819555; Facsimile: 01462 819556
www.dryvit.com; email: ukenquiries@dryvit.com

Dryvit has been part of the Exterior and Finish Systems industry for over 30 years with a worldwide portfolio of systems and projects of various sizes. A RPM subsidiary company with ISO 9001.

All Dryvit Systems offer unlimited design freedom with high performance properties. The Dryvit range of systems are specified to meet all the functional and aesthetic needs of a building’s external envelope, allowing the designer to select from a large variety of textured finishes and colours. In addition the acrylic finish coating range can be applied to interiors offering elegant, rich, and creative solutions for designers.

We suggest the designer contact Dryvit in the first instance to discuss specific needs, so that the appropriate acrylic non-textured or textured finish coating can be recommended. You can contact us directly by telephone, fax, email and also visit our web site as detailed above.

Dryvit also manufactures and supplies system products suitable for rainscreen applications, external insulation and finish systems and anti-crack render systems, which the finish coatings can compliment. Please refer to work sections H92, M21, M20 & H20.

Dryvit acrylic finish coats are available in a variety of textures, colours, and performance for both exterior and interior application.

Weatherlastic Smooth: a water-based, elastomeric coating specified for use as a waterproof, decorative coating. It is easily applied with an airless sprayer or roller. Weatherlastic Smooth is based upon a 100% acrylic, copolymer elastomeric resin, which provides excellent elongation and flexibility at low temperatures and after weathering. The coating resists mildew growth, dirt pickup and is highly chalk-resistant.

Demandit®: used on a wide range of interior and exterior surfaces, is a 100% acrylic coating which is offered in a variety of standard colours and custom colours. Demandit contains the most effective ingredients available to help resist mould and mildew growth. Anti-carbonation coating as tested by Taywood Engineering. Ideal for the maintenance of Dryvit External Insulation Finish Systems (EIFS).

Revytiv®: is a premixed water-based high performance
sand-textured interior or exterior coating. It can be roller or brush-applied and is available in a variety of standard colours as well as custom colours.

**Quartzstone®**: finishes are premixed 100% acrylic-based coatings, which are offered in standard or custom colours. The finishing touch that adds lasting colour and texture to exterior and interior walls. Dryvit finishes will remain cleaner longer with improved dirt pickup resistant chemistry (1.5 - 2mm aggregates).

**Beachstone®**: finishes are premixed 100% acrylic-based coatings, which are offered in standard or custom colours. The finishing touch that adds lasting colour and texture to exterior and interior walls. Dryvit finishes will remain cleaner longer with improved dirt pickup resistant chemistry (1mm aggregates).

**Sandpebble®**: premixed 100% acrylic-based coatings, which are offered in standard or custom colours. The finishing touch that adds lasting colour and texture to exterior and interior walls. Dryvit finishes will remain cleaner longer with improved dirt pickup resistant chemistry (1.5 - 2mm aggregates).

**Sandpebble Fine®**: premixed 100% acrylic-based coatings, which are offered in standard or custom colours. The finishing touch that adds lasting colour and texture to exterior and interior walls. Dryvit finishes will remain cleaner longer with improved dirt pickup resistant chemistry (0.75mm aggregates).

**Ameristone™**: provides the architect and designer with a new level of durability and performance in an elegant architectural stone finish. Ameristone is a dramatic blend of natural aggregates varying in size and colour, encased in a clear, 100% acrylic binder.

**Ameristone NT™**: is a hybrid version of Ameristone with a higher content of glass and quartz providing a rich light-reflecting surface. The base components are a blend of natural aggregates varying in size and colour, encased in a clear, 100% acrylic binder.

**Stone Mist®**: Stone Mist is a natural finish that accents the environment in subtle tones and enhances any exterior or interior wall. Special aggregates pick up the natural sunlight reflecting the glitter and beauty of only the rarest of stones. Coloured quartz aggregate finish is set in a 100% acrylic binder. Stone Mist is offered in ten custom designed colours.

### 110A Acrylic Based Finish Coatings

(SG M60-Dryvit/110A)

- **Manufacturer**: Dryvit UK Ltd, Unit 4 Wren Park, Hitchin Road, Shefford, Beds. SG17 5JD
  Telephone: 01462 819555; Facsimile: 01462 819556; www.dryvit.co.uk; email: ukenquiries@dryvit.com
- **Coating reference**: [Insert e.g. To be selected from the standard range by the Architect/CA, i.e. Dryvit (select from item 1-10 listed below) Interior/Exterior Acrylic Coating].
  1. Weatherlastic Smooth

### COATING SYSTEMS

110A Acrylic-Based Finish Coatings:

- **Manufacturer**: Dryvit UK Ltd, Unit 4 Wren Park, Hitchin Road, Shefford, Beds. SG17 5JD
  Telephone: 01462 819555; Facsimile: 01462 819556; www.dryvit.co.uk; email: ukenquiries@dryvit.com
- **Coating reference**: [e.g. Dryvit Ameristone™ Interior/Exterior Acrylic Coating].
- **Surface(s)**: [e.g. Plastered wall].
- **Surface preparation**: To manufacturer’s printed instructions.
- **Application**: By Dryvit trained applicator, See
2. Demandit
3. Revyvit.
4. Quartzstone
5. Beachstone
6. Sandpebble
7. Sandpebble Fine
8. Ameristone
9. Ameristone NT
10. Stonemist.

- **Surface(s):** [Insert e.g. New or existing Brick/Block masonry, primed timber, primed metal, plastered walls etc]

  **Surface preparation:** [Insert e.g. as recommended by the coating manufacturer.]

Dryvit coatings are required to have:

1. Surfaces to be clean, dry above 5 deg. C and free from efflorescence, grease, oil, form release agents and curing compounds. On previously painted surfaces, all loose, peeling and caulking paint must be removed and all gloss must be removed by sanding.
2. Metal surfaces: Must be primed with a corrosion-resistant primer.

- **Initial coat(s):** [Refer to current finish coat literature to establish if a Dryvit Primer is required].
- **Finishing coats:** [The Dryvit Finish coats can be roller, sprayed or in some cases trowel applied. Refer to current literature or consult Dryvit for recommended application method].
- **Texture:** Dictated by finish coat selection.
- **Colour:** [Insert e.g. To be selected from the standard Dryvit colour range or to be customised to Architect/CA’s requirements].

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**Clause M60/715A.**

- **Initial coat(s):** [e.g. Colour matched Dryvit Colorprime as outlined in current Ameristone literature].
- **Finishing coats:** [e.g. By airless spryer to Dryvit’s printed instructions].
- **Texture:** As coating reference above
- **Colour:** [Insert e.g. To be selected from the standard Dryvit colour range or to be customised to Architect/CA’s requirements].

ANCILLARY SURFACES: The descriptions of areas to be coated given in schedules, etc. are of necessity simplified. All ancillary exposed surfaces and features are to be coated to match similar or adjacent materials or areas except where a fair faced natural finish is required or items are completely prefinished. In cases of doubt obtain instructions before proceeding.

SURFACES NOT TO BE COATED:

SURFACES TO BE CLEANED BUT NOT COATED:

OFF SITE WORK:

- All off site preparation and coating to be carried out under cover in a suitable environment with adequate lighting.
- Store all items, both before and after coating, in a clean, dry area protected from the weather and mechanical damage, properly stacked with spaces to permit air circulation and prevent sticking of surfaces.

PROTECTION:

- Adequately protect internal and external surfaces, fixtures and fittings which are not to be coated, by covering with dust sheets, masking or other suitable materials.
- Exhibit 'Wet paint' signs and provide barriers.
where necessary to protect other operatives and the general public, and to prevent damage to freshly applied coatings.

290 TESTING OF VISCOSITY, ETC: The CA may, with discretion, take samples of materials from each manufacturing batch as follows:
- Unopened containers, or samples from previously unopened containers, for submission to manufacturer for comparison with manufacturer's own retained samples from the same batch.
- Unopened containers, or samples from previously unopened containers, as a control sample for assessment of samples taken from painters' kettles.
- Samples from painters' kettles for submission with control sample to manufacturer and/or independent testing laboratory for comparative testing.

300 CONTROL SAMPLE(S): Prepare sample areas of the finished work, including preparation, in advance of the remainder as set out below. Obtain approval of appearance before proceeding.

<table>
<thead>
<tr>
<th>Type(s) of coating</th>
<th>Nature of sample</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

320 INSPECTION OF WORK: Permit coating manufacturers to inspect the work in progress and take samples of their products from site if requested.

321 INSPECTION OF WORK: Inspection of the whole of the work at each of the stages set out below may be made, at the discretion of the CA. Agree with the CA a programme which will facilitate such inspections and notify him when each part and stage of the work is ready for inspection. Do not proceed with subsequent stages of the work until authorised.

<table>
<thead>
<tr>
<th>Type(s) of coating</th>
<th>Inspection at completion of</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

PREPARATION

400 PREPARATION GENERALLY:
- To BS 6150, Section 4.
- Materials used in preparation must be types recommended by their manufacturers and the coating manufacturer for the situation and surfaces being prepared.
- Prevent or control exposure of operatives to dust, vapour and fumes exceeding occupational exposure standards set in the current Health and Safety Executive (HSE) document EH40.
- Substrates must be sufficiently dry in depth to suit the coating to be applied.
- Remove efflorescence salts from surfaces. Repeat removal if efflorescence recurs.
- Clean off dirt, grease and oil from surfaces. If contamination of surfaces/substrates has occurred, obtain instructions before proceeding.
410A  SUITABILITY OF SURFACES AND CONDITIONS

As per Clause.

415A  ACCEPTANCE OF BACKGROUNDS:

Dryvit/Specialist Installer must be consulted on obtaining the acceptance of the background, especially when a guarantee on Dryvit supplied materials and the Installers guarantee on workmanship and installation are required.

[Insert e.g. Dryvit/Specialist Installer must be consulted on obtaining the acceptance of the background].

420  FIXTURES: Before commencing work, remove the following fixtures and fittings, set aside and replace on completion:

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425  IRONMONGERY: Remove from surfaces to be coated and refix on completion. Do not remove hinges unless instructed to do so.

430  IRONMONGERY: Remove all old paint and varnish marks from existing ironmongery. Thoroughly clean and polish before refixing.

440  PREVIOUSLY COATED SURFACES GENERALLY:

- Prepare in accordance with BS 6150, Section 6.
- When removing or partially removing coatings, use methods which will not damage the substrate or adjacent surfaces or adversely affect subsequent coatings.
- Carefully remove all loose, flaking or otherwise defective areas to a firm edge.
- Completely remove alkali affected coatings.
- Where coatings are suspected of containing lead, obtain instructions before proceeding.
- Where substrates containing asbestos are revealed, obtain instructions before proceeding.
- Where significant rot, corrosion or other degradation of substrates is revealed, obtain instructions before proceeding.
- Thoroughly clean retained coatings with...
appropriate detergent solutions or solvents to remove all dirt, grease and contaminants. Abrade gloss coated surfaces when still wet to provide a key.
- Apply additional preparatory coats to areas of partial removal to restore original coating thickness(es). Abrade junctions to give a flush surface.
- Where coatings are completely removed, prepare surfaces as specified for uncoated surfaces.

451 PREVIOUSLY COATED SURFACES - BLAST CLEANING: To be carried out by specialists using abrasives and pressures appropriate to the substrate. Take all necessary precautions to minimise dust and nuisance.

461 PREVIOUSLY COATED TIMBER:
- Remove any degraded or weathered surface timber by abrading.
- Ensure that repairs to degraded substrate timber have been carried out with sound timber of the same species.
- Apply two coats of knotting to exposed resinous areas and knots and allow to dry.

471 PREPRIMED TIMBER: Abrade chalking, powdery and other defective primer back to bare timber, remove dust and reprime resulting bare areas.

481 UNCOATED TIMBER:
- Abrade to a smooth, even finish with arrises and moulding edges lightly rounded or eased.
- Ensure that heads of fasteners are countersunk sufficiently to hold stoppers/fillers.
- Apply two coats of knotting to resinous areas and knots and allow to dry.

490 PREVIOUSLY COATED STEEL:
- Abrade corrosion and loose scale back to bare metal.
- Treat any residual rust with a proprietary removal solution. Prime as soon as possible.

500 PREPRIMED STEEL: Abrade defective primer, corrosion and loose scale back to bare metal, remove dust and reprime resulting bare areas.

511 GALVANIZED, SHERARDIZED AND ELECTROPLATED STEEL to receive lead free primer: Pretreat with 'T wash'/mordant solution to achieve blackening of the whole surface or apply pretreatment etching primer where recommended by the coating system manufacturer.

521 UNCOATED STEEL - MANUAL CLEANING:
- Remove oil and grease.
- Abrade to remove corrosion, loose scale, welding slag and spatter.
- Treat any residual rust with a proprietary removal solution. Prime as soon as possible.

531 UNCOATED STEEL - BLAST CLEANING:
- Remove oil and grease.
- Blast clean in dry atmospheric conditions using abrasive of suitable type and size, free from fines, moisture and oil. Continue blasting until surface complies with BS 7079: Part A1, preparation grade ___ Prime surface as soon as possible after blast cleaning and in any case within four hours.

541 UNCOATED ALUMINIUM/COPPER/LEAD: Remove any surface corrosion/oxidization and lightly abrade with fine abrasive paper and white spirit. Apply pretreatment etching primer where recommended by the coating system manufacturer.

560 UNCOATED CONCRETE: Remove release agents with detergent/emulsion solutions. Ensure that major surface defects are repaired.

570 UNCOATED MASONRY/RENDERING: Remove loose and flaking material with a stiff brush.

580 UNCOATED PLASTER: Scrape off nibs, trowel marks and plaster splashes. Abrade lightly any over-trowelled 'polished' areas.

601 UNCOATED PLASTERBOARD - TO RECEIVE TEXTURED COATING: Fill joints, tape and feather out using materials recommended by the textured coating manufacturer.

622 TREATMENT OF ORGANIC GROWTHS:
- Remove all loose growths and infected coatings/decorations.
- Apply appropriate biocidal solution to growth areas and surrounding surfaces.
- Scrape or brush off all dead growth. Remove infected materials immediately to ensure that no other areas become infected.
- Apply appropriate residual effect biocidal solution to inhibit re-establishment of growths.
- Biocides must be approved and registered by the Health and Safety Executive (HSE) and listed in the current 'Reference Book 500', Part B, as surface biocides.

APPLICATION

700 UNSUITABLE CONDITIONS:
- Take all necessary precautions including restrictions on working hours, providing temporary protection and allowing extra drying time, to ensure that coatings are not adversely affected by climatic conditions during and after application.
- Prevent or control exposure of operatives to solvent vapour levels exceeding occupational exposure standards set in the current Health and Safety Executive (HSE) document EH40.
- Unless it is specifically permitted by the coating manufacturer, do not apply coatings:
  - To surfaces affect by moisture, frost or airborne dust.
  - When the air or substrate temperature is below 5degC.
- When the relative humidity is above 80%.
- When heat is likely to cause blistering or wrinkling.

711 COATING GENERALLY:
- To BS 6150, Section 5.
- Do not use materials which show any bittiness or other defects when applied. Do not thin or intermix unless specified or recommended otherwise.
- Apply priming coats as soon as possible on the same day as preparation is completed. They must be of adequate thickness and suit surface porosity.
- Apply coatings by brush or roller unless otherwise specified or approved.
- Keep brushes and equipment in a clean condition. Dispose safely of cleaning and waste materials, do not pour into sanitary appliances or drains.
- Subsequent coats of the same pigmented material must be of a different tint to ensure that each coat provides complete coverage.
- Apply coatings to clean, dry surfaces in accordance with the manufacturer's recommended intervals between coats.
- Apply coatings evenly to give a smooth finish of uniform colour, free from brush marks, sags, runs and other defects. Cut in neatly and cleanly. Do not splash or mark adjacent surfaces.
- Adequately protect drying and completed work from damage.

715A INSTALLATION. Dryvit operates an Applicator Training Programme for Specialist Installers of their manufactured EIFS systems. The levels of applicators to be employed to undertake the work depend upon the type of contract. Contact Dryvit for advice.

There are three levels of training:
Level 1: Applicator must attend a combined practical and theory training course to demonstrate they are conversant in the use of the Dryvit materials, associated tools and basic details skills.
Level 2: Advanced Applicator level card holder is continuation of level 1 applicator but with advanced detail skills and a measure of the continued practical experience.
Level 3: Supervisor level cardholder is a senior applicator and must provide references of Dryvit system applications to demonstrate their practical experience. Must complete a multiple-choice paper on Dryvit materials and their applications and must be capable of training the applicators under their supervision.

715A INSTALLATION: The coating shall be applied to Dryvit written instructions by Dryvit's trained applicators. [At least one applicator should be a Level 3: Supervisor level cardholder as agreed between Architect/CA and Dryvit UK Ltd.].

820 COMPLETION: Ensure that opening lights and other moving parts move freely. Remove all masking tape and temporary coverings.
The Specification clauses and guidance notes in this document (the Information) are based on those in the NBS Subscription Service and shall be subject to the provisions of the Copyright Notice, Conditions of Sale and Disclaimer upon which that service is supplied, whether made available as part of that Service or otherwise, and references in those provisions to NBS shall be deemed also to include a reference to Dryvit (UK) Ltd in accordance with its disclaimer applicable to such Information. The Information, to the extent that it relates exclusively to products manufactured, marketed or supplied by Dryvit (UK) Ltd, is published under the sole authority of Dryvit (UK) Ltd. The Information is not intended to be exhaustive and is given in good faith to assist in defining specifications for the installation of Dryvit systems. All users and others must verify the Information and ensure its suitability for the particular applications for which it is required. Dryvit (UK) Ltd and NBS Ltd have no control over site conditions or installation procedures and accordingly neither of them can accept any liability for loss or damage which may arise from the application or the Information and they expressly exclude liability for such loss or damage to the extent permitted by the law.

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