

Substrate Specification Sheet 8

Armourcoat QA Working Specification for Duturo Backgrounds and Applications

1 Introduction

Duturo is a finely textured decorative wall finish, which apart from being aesthetically pleasing is also very practical, and cost effective.

Duturo is extremely durable once it has fully cured; nothing in its price bracket gives anywhere near the same performance (see brochure for details).

Duturo application is a fast 1 or 2 coat system and will have minimal impact on project lead times. Duturo is water-based and non-hazardous. Duturo coating is approximately 0.5-1 mm thick depending on number of coats.

2 Substrate Preparation

Most common substrates are suitable for **Duturo**. **Application generally has the same substrate requirements as water based paints.**

Ensure that both internal and external corners are clean cut and true, External angles must not be formed using paper tape beads. Walls must have even surfaces with any board joints flush. Duturo is only a thin coating and while the first coat is capable of filling minor surface imperfections (up to 2 mm deep in areas not exceeding 5x5 mm), it cannot flatten poorly constructed surfaces in the way that plaster can. **Silicone** and **mastic** products are **not** appropriate for coverage with Duturo.

2.1 Plastered Surfaces

Plastered surfaces must be completely dry and installed as per manufacturers guidelines. When plastering good site practice should be followed as set out in **BS5492 : 1990 Code of Practice for Internal Plastering**. Once the plaster is completely dry seal the surface with 1 coat or diluted Armourcoat R13 resin (5 parts water : 1 part R13). Allow this to dry for at least 24 hours before continuing with the duturo application.

2.2 New Concrete, Brickwork and Blockwork

New concrete, brickwork and blockwork backgrounds must be plastered with a gypsum plaster basecoat to straighten the walls horizontally and vertically to achieve a true, flat surface and skimmed with a finish plaster. Prime the surface as discussed in 2.1 and allow to dry fully.

2.3 Dry-lined Surfaces

Dry-lined surfaces should be finished as ready for painting; taped, jointed and primed with Armourcoat K40. Corner, shadow, feature and movement profiles should be fixed and jointed-in as normal.

2.4 Wood and Composite Wood Board Surface

Prior to the application of Duturo, ensure that all materials are totally dry and then apply 2 coats of Albany All Purpose Primer, or similar oil based wood primer, to all 6 sides of the panels. Lightly sand the surface of the face to be coated to remove any surface luster. Follow the primer manufacturers guidelines on drying times before overcoating with Duturo.

2.5 Existing Walls

Existing walls must have any defective areas cut out back to a sound substrate. These areas must then be filled with plaster to create a flush surface. Ensure that existing wallpaper or paint is sound by attaching a piece of masking tape to the surface and pulling it off rapidly. If the paint or paper are removed by the tape, or if the paper is lifting anywhere, it will need to be stripped back to a sound surface. Gloss paint or any shiny surface will need to be roughened up by sanding the surface with 40 grit abrasive paper. If the wall is dusty and not covered with absorbent wall paper, prime the whole wall with diluted R13 resin and allow to dry fully or use an alkali stabilising solution if appropriate. If there have been staining of an old wall, the wall will need to be treated with a suitable water based stain blocking primer prior to the application of the diluted R13.

2.6 Exterior Substrates

Duturo can be applied to all concrete and masonry type substrates. It can also be applied to Calcium Silicate boards suitable for exterior use. In both cases the substrates need to be correctly prepared to achieve a smooth flat surface which is suitable to be coated with a water-based paint. Any irregularities within the substrate will mirror through the end finish. Always consult the substrate manufacturer to obtain information regarding the correct method of installation and finishing. For calcium silicate boards the boards would need to be overcoated with a mesh reinforced thin coat polymeric render. For advice on which renders to use please contact Armourcoat Technical directly. Duturo is not for use with external insulation systems.

3 Application

The following application principles must be taken into account when planning finishing programs:

- The finishing of Duturo requires the material to be totally clean. Contamination from working alongside other trades such as showers of sawdust will result in whole walls having to be re-finished.
- If an area is too large to be done in a single application, the wall will need to be broken into small manageable sections. If this is necessary day joints will be visible on the wall surface so care should be taken in the planning stages so as to achieve an overall balanced look.
- For a 2 coat application the second coat of Duturo should be applied when the first coat has dried completely (12-24 hours conditions depending).

4 Timing of Work

As decorative finishing is the final stage of any project, the Duturo application should be programmed as late as possible in the contract, ideally after installation of lighting. Heavily trafficked areas should be protected until completion of construction work. Duturo demonstrates great strength but this builds up gradually over a period of 2 weeks depending on conditions as it cures. The product will be touch dry but not hard on the same day of application.

5 Finishing, Refurbishment and Repair

Light damage may be repaired. Heavy damage will require the wall to be re-coated to avoid seams in the texture. To refurbish an area coated with Duturo, either simply re-coat with Duturo or paint over or skim and paint to achieve a smooth finish again.

6 Quality Assurance

Armourcoat Limited operates strict quality assurance and control from manufacture to application, providing specifiers with a quality led supply and apply service. When planning interior finishing, call us to explore the full extent of the options offered by Duturo

7 Additional Literature

DOCUMENT	REF
Full Set of Building Substrate Specification Sheets are available.(See web site)	
Plasterboard/Drylining Installation and Finishing	SSS1
Plasterboard/Drylining with AntiCrack Substrates	SSS2
Plaster on Brick, Block or Concrete Substrates	SSS3
Glasroc and GRG Substrates	SSS4
Previously Decorated Substrates	SSS5
Sand/Cement Substrates	SSS6
MDF Substrates	SSS7
Duturo Backgrounds and Application	SSS8
Bluclad Board Substrates	SSS9
Exterior Application	SSS10

Whilst every attempt has been made to ensure the accuracy and reliability of the information contained in this document, the information should not be relied upon as a substitute for formal advice. Armourcoat Ltd, its employees and agents will not be liable for any loss or damage, of any kind, arising out of or in connection with the use of this document. Please refer to the company disclaimer for further details.

SAT SSS8 1104 ©