



Bostik Technical Department Anhydritec Gyvlon Screed Recommendations

Company: Anhydritec
Contact: Andy Hone
Date: 20/01/2023

Dear Andy,

Bostik were asked to provide a standard recommendation to incorporate the usual application criteria applicable for the application of Bostik product atop Anhydritec Gyvlon flowing screeds. This generic recommendation covers the usual application criteria of:

- Gyvlon Calcium Sulphate Flow Screed 75%RH or lower
- Gyvlon Calcium Sulphate Flow Screed 87%RH or lower
- Gyvlon FD-E2C Flow Screed 92%RH or lower

Recommendations:

Surface Preparation:

The subfloor must be prepared in all instances detailed below.

Prepare the existing subfloor using appropriate mechanical surface preparation equipment to remove any weak friable surface layers, such as and not limited to, laitance, dust, dirt and any loose friable material or any contamination likely to impair adhesion. After preparation, the surface should be thoroughly vacuumed using industrial vacuum equipment. The purpose of the mechanised surface preparation is to provide a clean and flat surface, free of contamination with a micro-textured finish visible.

For Readings between 76%RH – 87%RH:

- Apply **Bostik HYTEC E570 One Coat** as a continuous even film, at a maximum coverage rate of 20-22m² per 10Kg unit. The applied coating must be free from pinholes. Allow to cure (overnight) to a glossy and tack free film.
 - Should a matt finish be obtained, indicative of preferential absorption into the substrate, it is necessary to apply a second coat.
 - Where accelerated drying times are required, the use of **Screedmaster One Coat DPM Accelerator**, will reduce curing time to approximately 3-4 hours.
- Apply **Bostik GRIP A936 Xpress Primer** or **Bostik Grip A526 Universal Primer**.
 - Apply undiluted by brush and/or roller directly to the cured **Bostik Hytec E570 One Coat**. Allow to fully dry (typically 30 minutes – 1 hour).
- Within 24 hours, apply a Bostik smoothing compound in accordance with the methods as detailed within the current product technical data sheet for the chosen smoothing compound.
- Bond the chosen floor coverings with a recommended Bostik adhesive such as **STIX A600**, **STIX A640** or **STIX A800** in accordance with the technical literature and the recommendations of the flooring manufacturer.
 - For areas where high levels of solar gain are anticipated, the use of **Bostik A550 Power Elastic** is recommended.
 - If higher dynamic loads are expected to be experienced during the day-to-day usage of the building, consideration for using a Bostik Adhesive, which will provide higher resistance to rolling/dynamic loads, should be given, such as **Bostik Stix H995 Elastic Xtrem** or **Bostik Stix P956 2-K**.



For Readings 75%RH or lower:

- Apply **Bostik GRIP A526 Universal Primer**.
 - Apply the primer diluted at a ratio of 1:3 (one part primer to three parts cold clean water) by brush or by roller ensuring it is well worked into the surface.
 - Apply a second coat of primer diluted at a ratio of 1:2 (one part primer to two parts cold clean water). Allow to dry.
- Within 24 hours, apply a Bostik smoothing compound in accordance with the methods as detailed within the current product technical data sheet for the chosen smoothing compound.
- Bond the chosen floor coverings with a recommended Bostik adhesive such as **STIX A600**, **STIX A640** or **STIX A800** in accordance with the technical literature and the recommendations of the flooring manufacturer.
 - For areas where high levels of solar gain are anticipated, the use of **Bostik A550 Power Elastic** is recommended.
 - If higher dynamic loads are expected to be experienced during the day-to-day usage of the building, consideration for using a Bostik Adhesive, which will provide higher resistance to rolling/dynamic loads, should be given, such as **Bostik Stix H995 Elastic Xtrem** or **Bostik Stix P956 2-K**.

Anhydritec Gyvlon FD-E2C Screed

Bostik recommend the following process for the application of Bostik products to the surface of the Anhydritec Gyvlon FD-E2C Screed with a confirmed relative humidity value that does not exceed 92%RH.

- Apply **Bostik Hytec E570 One Coat** as a continuous even film, at a maximum coverage rate of 20-22m² per 10Kg unit. The applied coating must be free from pinholes. Allow to cure (overnight) to a glossy and tack free film.
 - Should a matt finish be obtained, indicative of preferential absorption into the substrate, it is necessary to apply a second coat.
- Within 24 hours, apply **Bostik GRIP A936 Xpress Primer** or **Bostik Grip A526 Universal Primer**.
 - Apply the primer undiluted by brush and/or roller directly to the cured **Bostik Hytec E570 One Coat**. Allow to fully dry.
- Within 24 hours, apply a Bostik smoothing compound in accordance with the methods as detailed within the current product technical data sheet for the chosen smoothing compound.
- Bond the chosen floor coverings with a recommended Bostik adhesive such as **STIX A600**, **STIX A640** or **STIX A800** in accordance with the technical literature and the recommendations of the flooring manufacturer.
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 - If higher dynamic loads are expected to be experienced during the day-to-day usage of the building, consideration for using a Bostik Adhesive, which will provide higher resistance to rolling/dynamic loads, should be given, such as **Bostik Stix H995 Elastic Xtrem** or **Bostik Stix P956 2-K**.

The above statements do not include screeds which contain underfloor heating systems of any type.

All products must be used in accordance with the information available on the current product technical datasheet. Drying and curing times are based on good ambient conditions. Cold and/or damp environments will retard these times and allowances should be made accordingly.

I trust that the above is of assistance and fully covers all aspects. However, should you require further support, or wish to discuss any part of the above in detail, please do not hesitate to contact the author or the Bostik Technical Services Department.

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Note:

- If you are unsure of any of the attached recommendations, please contact the writer.
- Unless otherwise stipulated, Bostik cement based products should be mixed and applied at temperatures of 5°C and rising, in accordance with industry recommendations.
- The British Standards Codes of Practice recommend that any existing movement joints or other joints subject to movement should not be covered and be brought through to the surface of the final floor covering.
- If the final floor coverings are not immediately applied after 48 hours, it is recommended that the sub-floor be covered to protect the surface from damage and contamination. Application of the floor covering protection during early installation of heavy fittings and loads is advised.
- The above advice and recommendations are based on the information made available to us and may need to be amended if there are other relevant factors of which we have not been informed. As part of the Bostik quality procedure the above recommendations will be checked by the Bostik Technical Services Department, and should any additional information be required we will contact you. If a typographical error has occurred and the above advice appears to conflict with the datasheet please contact the writer or Bostik Technical Services department for clarification. Please note that all Bostik products referred to above should be mixed and applied strictly in accordance with the current technical literature, which, if not attached, are available on the Bostik Web Site <https://www.bostik.com/uk/en/markets-applications/building-construction/>
- For any application methods not covered in these recommendations please contact Technical Services on +44 (0) 1785 272625. Recommendation and suggestions are for guidance only, since conditions of use are completely beyond our control. For health and safety instruction, first aid measures, spillage and disposal instructions, see separate Health and Safety Data Sheet for Bostik products available at www.bostik.com/uk

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