



## REMEDIATION SYSTEMS

### FOR ALL AMERICAN BILTRITE FLOORING PRODUCTS

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The following document addresses how to correct issues related to subfloor conditions that are outside American Biltrite specifications as outlined in the "Floor Preparation", "Adhesive Quick Check Chart" and the different "Product Installation" instruction documents.

The remediation systems described in this document were tested and qualified for American Biltrite Flooring products; it is however the responsibility of the flooring contractor to choose the right remediation system that addresses the site conditions, and to use the system as per the manufacturer's specifications.

There are similar remediation systems sold by other manufacturers, but if a product different than the ones listed in this document is selected, it is the responsibility of the flooring contractor to make sure it is a true equivalent and will perform satisfactorily, as it might not have been tested with American Biltrite products.

For all situations described hereunder, an adhesion test is mandatory to ensure the proper performance of the system. Refer to ASTM F3311 for the mat bond test.

Consult American Biltrite Technical Services before undertaking any work concerning site remediation.

#### **HIGH MOISTURE CONDITIONS**

1. Refer to [Adhesive Quick Check Chart](#) for limits to the specific adhesives.
2. When moisture vapor emission rate (MVER) is higher than the recommended limit but not exceeding 15 lbs (ASTM F1869), and the RH up to 99% (ASTM F2170), the recommended remediation system is "Planiseal MSP"; the product description can be found at:
  - a. In Canada: [Planiseal MSP Can](#)
  - b. In USA: [Planiseal MSP USA](#)
3. When moisture vapor emission rate (MVER) is higher than 15 lbs (ASTM F1869) but not exceeding 25 lbs, and the RH higher than 99% (ASTM F2170), the recommended remediation system is "Planiseal VS"; the product description can be found at:
  - a. In Canada: [Planiseal VS Can](#)
  - b. In USA: [Planiseal VS USA](#)
4. American Biltrite two-part adhesive AD-535 can be used when RH values are between 85% and 100%, and up to 25 lbs MVER, as long as the skim coat Planiprep MRS is used; the product description can be found at:
  - a. In Canada: [Planiprep MRS](#)
  - b. In USA: [Planiprep MRS](#)

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#### **CHEMICAL ABATEMENT WAS PERFORMED ON SUBFLOOR**

1. Before proceeding with the installation of new resilient flooring after an old one was removed, it is imperative to check if chemical abatement was performed to remove old adhesive. Unfortunately, there is no simple test to check that chemical abatement was performed. Markings on the subfloor may be visible and there would be the presence of a chemical solvent odor.
2. Clean and neutralize the subfloor with "Planiprep SA"; the product description can be found at:
  - a. In Canada: [Planiprep SA Can](#)
  - b. In USA: [Planiprep SA USA](#)
3. Seal the subfloor with "Planiprep ET"; the product description can be found at:
  - a. In Canada: [Planiprep ET Can](#)
  - b. In USA: [Planiprep ET USA](#)

#### **SEALER OR CURATIVE ADDITIVES ADDED TO THE CONCRETE SUBFLOOR**

1. If a failure on the mat bond test with the flooring to be installed and the specified adhesive is encountered, having also determined the porosity of the concrete, it will be necessary to further treat the subfloor.
2. The surface may be required to be sanded or shot blasted to create enough porosity to get the required adhesion level.
3. If needed, the surface can be leveled and repaired with a Portland cement-based patching compound like "Planipatch/Planipatch Plus"; the product description can be found at:
  - a. In Canada: [Planipatch Can](#) ; [Planipatch Plus Can](#)
  - b. In USA: [Planipatch USA](#) ; [Planipatch Plus USA](#)

Please note that technical web site documents prevail.