



## **SIDER-FLOOR HRI**

**AN INDUSTRIAL-STRENGTH TROWELED MORTAR USED FOR BOTH INTERIOR AND EXTERIOR CONCRETE FLOOR RESURFACING.**

### **1.0 DESCRIPTION**

#### **1.1 General**

**Sider-Floor HRI** is an industrial-strength troweled mortar used for concrete floor resurfacing. Excellent for resurfacing spalling or deteriorating concrete. Formulated for applications for interior use or exterior use if coated with a sealer or other products formulated for exterior use.

### **2.0 MATERIALS**

#### **2.1 Sider-Floor HRI**

One kit of **Sider-Floor HRI** consists of a 55 lb. (25 kg) bag of Part A-Powder and a 3.8-liter (1 gal) container of Part B-Resin.

### **3.0 MIXING INSTRUCTIONS**

#### **3.1 Sider-Floor HRI**

Shake well and pour the **Sider-Floor HRI** Part B-Liquid into a clean bucket and then add ½ bag of Part A-Powder. Mix thoroughly with a drill and mixing paddle for 10 to 20 seconds. Then add the rest of the powder and mix no less than 5 minutes to yield a good plasticity and achieve a homogeneous mix. Always pour the liquid component in first and then add powder while mixing for optimal results.

Do not add any products in the mix, but you may add a small amount of clean potable water to achieve a desired workability. If adding water to the mix, ensure the water is cool and not directly from the hose laid in the sun. Do not water-down the material too much as it will prevent the application of a nice thick coat. If the material becomes too thick to apply during the application process, you may add water in the mix and remix the material to achieve the desired consistency. Do not use partially set or frozen material in the mix.

### **4.0 INSTALLATION**

#### **4.1 Application**

##### **Surface preparation:**

Surfaces must be sound and free of all bond-inhibiting materials including dirt, efflorescence, release agents and other foreign particles. Surfaces should be dampened, but not wet to the touch. The application of Sider-Resin M50 (Acrylic Bonding Agent) is required prior to application of **Sider-Floor HRI**.

**Application:**

Apply **Sider-Floor HRI** with a clean stainless steel trowel and trowel to tolerance. **Sider-Floor HRI** may be floated, screeded or bull-floated. Use the mix as quickly as possible and apply to the floor surface. Respect all existing expansion joints in the floor surface. **Sider-Floor HRI** is applied in a thickness ranging from 1/4" (5mm) to 3" (76.2 mm).

**4.2 Limitations**

Apply **Sider-Floor HRI** on surfaces in ambient temperatures above 45° F (8° C) during application and curing period. Do not apply during periods of high winds. Light traffic allowed after 24 hours. Heavy traffic allowed after 72 hours at a 1/4" to 1/2" thickness. Additional drying time is required for greater thickness. Allow 28 days for **Sider-Floor HRI** to completely cure. Due to the natural ingredients which make-up **Sider-Floor HRI** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Floor HRI**.

**5.0 MISCELLANEOUS****5.1 Packaging**

**Sider-Floor HRI Kit:** 55 lb. (25 kg) bag of powder (Part A)  
1-gallon (3.8 liter) container of resin (Part B)

**5.2 Coverage**

25 ft<sup>2</sup> @ 1/4"

*(Coverage is approximated and is given for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application techniques.)*

**5.3 Technical Assistance**

For technical support during normal business hours, contact Sider-Crete, Inc. toll free at 888-743-3750.

**5.4 Storage and Shelf Life**

Shelter in a dry environment from extreme heat, direct sunlight, rain and freezing. Shelf life is 6 months in the original sealed packaging properly sheltered.

**5.5 Clean Up**

**Sider-Floor HRI** cleans up with water prior to drying. Clean tools and equipment after use with water. Clean up and remove materials from the site caused by the installation and dispose of by federal, state and local regulations and guidelines in an approved landfill.

**5.6 Commercial Name****SIDER-FLOOR HRI**

*And now, enjoy using **SIDER-FLOOR HRI** and benefit from this revolutionary technology developed by Sider-Crete, Inc., innovative leaders in the construction industry since 1937.*

*While every effort has been made to be comprehensive and accurate, the publisher cannot accept any liability for omissions or errors. Users should contact Sider-Crete for the product(s) referred to in this specification to ensure that any information used to make decisions about the product is as up-to-date and complete as possible.*