



# Miracote Set Retarder

## Product Technical Data Sheet

**Miracote Set Retarder** is a single component liquid admixture that extends the working time of any prepackaged cementitious Miracote product including, but not limited to, MPC, MiraStamp, Membrane C, MiraPatch, and BC Pro. **Miracote Set Retarder** can be used with any cementitious material when encountering environmental conditions that cause high rates of evaporation. This includes elevated ambient and material temperatures, high rates of wind velocity, low relative humidity, and the combination of all three.

### ADVANTAGES

- Extends working time in elevated climatic conditions.
- Easily blends into mixing liquids of cementitious materials.
- Does not alter physical properties or product performance.

### WHERE TO USE

Use with Miracote MPC, MiraStamp and other cementitious Miracote products.

### COVERAGE RATES

Not applicable.

### PACKAGING and COLORS

4-oz bottle

### MIX RATIO

One 4 oz. bottle per full unit of Miracote MPC or MiraStamp.

### SHELF LIFE AND STORAGE

Shelf life is one year from the date of manufacture as long as containers environment remain unopened and when material is stored in a protected that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

### TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

State.....Clear Liquid

Vehicle .....Water-based

Use Range.....75° to 95°F

### OVERVIEW OF INSTALLATION STEPS

- **Surface Preparation** - All surfaces must be clean, sound, and free from any bond inhibiting substances including, but not limited to, grease, oil and any other contaminants or loosely adhered materials. For concrete substrates, a minimum surface profile of a CSP-3 or higher is required depending on overall substrate conditions and coating requirements. Concrete and other porous or absorptive substrates should be **(SSD) saturated surface dry** with no standing water at the time of the application to the substrate.
- **Mixing** – Add **Miracote Set Retarder** to applicable mixing liquid and mechanically blend using a low-speed drill with a “Jiffy-type” or similar Miracote-approved mixing paddle in a clean mixing container. When mixing with any cementitious powder component, always pour the liquid component into the mixing pail first and slowly add the powder component. Thoroughly mix the material into a uniform consistency that is free of lumps and pockets of dry powder. If more extreme climatic conditions exist adding a second bottle is acceptable.
- **Application** – Consult applicable Miracote cementitious product technical data sheet for application instructions.

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### FOR BEST RESULTS

- Always install a minimum 4' by 4' test area or job site mock-up for owner approval of acceptable color, texture, finish adhesion and any other critical requirements prior to proceeding with the installation.
- Upon the completion of concrete surface preparation, it is highly recommended to perform in-situ adhesion tests for verification of acceptable substrate tensile strength. Consult ICRI Guideline No. 210.3R-2013 for conducting pull-off tests to evaluate suitable bond of concrete surface materials.
- Prior to material application perform concrete surface repair only with MiraPatch pre-packaged repair mortars.
- Verify that the most current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guidelines (IG) are being utilized for project submittals and application reference.
- Protect materials in storage at all times from excessive heat and cold.
- Precondition liquid and powder components between 55°F(4.5°C) to 80°F(4.5°C) prior to mixing and application. Lower in hot conditions and higher when cool.
- Regularly check wet film thickness with mil gauge and monitor product consumption to ensure correct application thicknesses are obtained.
- The proper application of this product is the sole responsibility of the end user. Job site visits by Miracote representatives are only for the purpose of making recommendations. Supervision and quality control are the sole responsibility of the user.
- Measure surface and ambient temperatures to ensure that material is only applied when temperatures are 40°F (4.5°C) and rising during placement and cure time.
- Obtain readily available Rate of Evaporation Chart from the Portland Cement Association (PCA) for further information on the impact of rates of evaporation.

### LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

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**CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.**



**Miracote Product Line  
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