

SECTION 03540**RECOMMENDED SPECIFICATION FOR
SCHÖNOX RR SELF-DRYING CEMENT BASED RAPID SETTING REPAIR UNDERLAYMENT****PART 1 – GENERAL****1.01 SUMMARY**

- A. This is the recommended specification for **Schönox RR, Self-Drying Cement-Based Rapid Setting Repair Underlayment**.

1.02 SECTION INCLUDES

- A. **Schönox RR, Self-Drying Cement-Based Rapid Setting Repair Underlayment**.

1.03 QUALITY ASSURANCE

- A. Installation of the **Schönox RR** cement based must be done by a qualified installer, using equipment and tools recommended by the manufacturer.
- B. Provide **Schönox RR** Finishing Underlayment from as manufactured by SCHÖNOX GmbH, P.O. Box 11 40 D-48720 Rosendahl, Germany.
- C. Underlayments shall be able to be installed up to 2" thick over large areas and to any thickness in well-defined areas such as filling holes or gouges and for making ramps.
- D. Underlayment shall require that the substrate be primed over concrete, cement substrates, ceramic tiles, water resistant adhesive residues, gypsum substrates, and wooden substrates.
- a. It is recommended to prime with **Schönox VD (1:3)** over concrete, cement substrates.
 - b. It is recommended to prime with **Schönox VD (undiluted)** wooden substrates such as, well screwed and/or bonded OSB, or plywood wooded substrates.
 - c. It is recommended to prime with **Schönox SHP (undiluted)** over non-absorbent, smooth, sound substrates such as, ceramic tiles, old water-resistant residues, removed as far back as possible.
 - d. It is recommended to prime with **Schönox VD (1:1)** over gypsum substrates (sanded and vacuumed). Drying time can be omitted.

- E. Underlayment shall be formulated with a Portland cement matrix, which develops a compressive strength of 4200 psi when tested in accordance with ASTM C109/mod. (air-cure only).
- F. Underlayment shall be able to be covered by most finish flooring materials after approx. 4 hours.
- G. Underlayment shall not require the addition of latex or any additive other than potable water.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in their original, unopened packages and protect from extreme temperatures and moisture.

1.05 SITE CONDITIONS

- A. **Schönox RR** is a cementitious material. Observe the basic rules of concrete work. Do not install below 41° F surface temperature. Install quickly if floor is warm and follow hot weather precautions. Never mix with cement or additives other than **Schönox** approved products.

PART 2-PRODUCTS

2.01 MATERIALS

- A. The Portland Based Self-Drying Cement-Based Rapid Setting Repair Underlayment shall be **Schönox RR**.
- B. Primer required over all recommended substrates.
- C. Please use the recommended **Schönox** primers for smooth & non-absorbent substrates as well as Gypsum and wood substrates.
- D. Water shall be clean, portable, and sufficiently cool (not warmer than 70°F).

2.02 MIX DESIGNS

- A. Mix **Schönox RR** 55 lb. bag with 5.8 quarts of water.
- B. Apply **Schönox RR** to the prepared substrate using a steel trowel using sufficient pressure to achieve the desired thickness.
- C. Install **Schönox RR** up to a maximum thickness of 2" or as required to fill gouges, scratches or small holes or imperfections.

- D. **Schönox RR** is ready for foot traffic after approx. 30 minutes and is ready for covering after approx. 4 hours.

PART 3-EXECUTION

3.01 PREPARATION

- A. All subfloors, regardless of material, must be solid, sound and thoroughly cleaned.
- B. All concrete subfloors must be clean, and free of all oil, grease, dirt, curing compounds, and any substance, which might act as a bond breaker. Mechanically clean, if necessary, using shot blasting or other. Acid etching and the use of weeping compounds or solvents are not acceptable.
- C. Wooden subfloors must be clean and free of all foreign matter. Sand to bare wood, and then vacuum to remove all dust. Re-nail any loose boards exhibiting movement.
- D. Non-porous subfloors, such as ceramic tile and terrazzo must be clean and free of all sealer, waxes, or other surface treatments, which may act as a bond breaker. Professionally strip where necessary.
- E. Cutback and other non-water soluble adhesive residues must be thin and well bonded to the subfloor. Note: The use of **Schönox RR** over adhesive residues is recommended for projects only where the adhesive residue may interfere with the performance of the new flooring. For a permanent barrier to migration of adhesive residues on commercial projects, use **Schönox AP** or **Schönox APF**.
- F. Subfloors shall be inspected and corrected for moisture and any other condition that could affect the performance of the underlayment or finished floor covering. This product is not a vapor barrier and will allow free passage of moisture. Follow the directives of the floor manufacturer regarding maximum allowable substrate moisture content and test the substrate prior to installing **Schönox RR**. Where substrate moisture exceeds the maximum allowed then an application of **Schönox SDG** or **Schönox EPA** may be used to suppress residual moisture (see data sheet). **Schönox SDG** is suitable for cement based substrates with residual moisture up to 93% RH or 12 lbs. and **Schönox EPA** is suitable for cement based substrates with residual moisture up to 100% RH or 25 lbs.

3.04 FIELD QUALITY CONTROL

- A. Where specified, field sampling of the **Schönox** topping is to be done by taking an entire unopened bag of the product being installed to an independent testing facility to perform compressive strength testing in accordance with ASTM C109/modified: air-cure only. There are no in situ test procedures for the evaluation of compressive strength.

3.05 PROTECTION

- A. Prior to the installation of the finish topping, the surface of the underlayment should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION