



CEMENTITIOUS FIREPROOFING PRODUCTS

A/D TC-55 SEALER – ADHESIVE / BONDING AGENT / SEALER

1. PRODUCT DATA

- 1.1 **Adhesive / Bonding Agent:** This product is listed in the UL Directory and is used to promote/improve adhesion of Southwest Type 5GP & Type 5MD gypsum based products to steel, concrete and other substrates. It is a water based vinyl acrylic copolymer emulsion that is mixed with clean potable water onsite. This product is used as an adhesive when applying gypsum based products to primed substrates. See Data Sheet for further details.
- 1.2 **Sealer:** When applied as a topcoat/sealer, it improves most physical characteristics, reduces air erosion losses and may be used to color the fireproofing or insulation surface. Normally supplied as clear, but also available in blue, white and black.

2. MIXING PROCEDURES

- 2.1 Mix with clean potable water, one part adhesive to one part water
- 2.2 Mix product for about 1.5 – 2 minutes, until solution is uniform. Agitate occasionally, to prevent settling of ingredients.

3. APPLICATION

- 3.1 Pump: Use 0.75 gallon/minute electric airless or Hudson pump sprayer
- 3.2 Apply A/D TC-55 Sealer at 4 mils (100 microns)
- 3.3 Before applying A/D TC-55 Sealer, the surface must be free of all oil, grease, condensation, or other contamination. Do not use if concrete has been treated with curing solutions. Test patches may be required to ensure compatibility.
- 3.4 Film build and color intensity may vary significantly depending on dilution and application rate, and texture, density and finish of substrate being coated.
- 3.5 Where colored finish over fibrous and cementitious materials is desired, we recommend extra attention be given to preparation and application of the fibrous or cementitious surfaces. If used as an adhesive, A/D TC-55 Sealer should be tacky to wet when cementitious fireproofing is applied.

4. APPROXIMATE COVERAGE

- 4.1 **As an Adhesive:** Approximately 400-500 ft²/gal (9.8-10.2 m²/L), when mixed one part water to one part adhesive.
- 4.2 **As a Sealer:** Apply product to surface to achieve complete coverage. Expect coverage to be less than 400-500 ft²/gal (9.8-10.2 m²/L). Color intensity and film build will vary depending on dilution and application rates and most importantly, texture, density and finish of surface being coated. Manufacturer cannot be held responsible for color variations onsite

5. CAUTIONS

- 5.1 Film build and color intensity may vary significantly depending on dilution and application rate, and texture, density and finish of substrate being coated. Where colored finish over fibrous and cementitious materials is desired, we recommend extra attention be given to preparation and application of the fibrous or cementitious surfaces. If used as an adhesive, A/D TC-55 Sealer should be tacky to wet when cementitious fireproofing is applied.
- 5.2 Pump, mixer and hose should be cleaned with clean, potable water at least once every 8 hours at 70°F (21°C) and more often at higher temperatures. Wet overspray must be cleaned up with clean, fresh water. Cured overspray may be difficult to remove.
- 5.3 Be sure to either mask or clean immediately all surfaces that may be exposed after application is complete. Staining may occur.
- 5.4 Follow all safety precautions on the A/D TC-55 Sealer Material Safety Data Sheet. It is recommended that personal protective equipment be worn, including spray suits, gloves, eye protection and respirators when applying A/D TC-55 Sealer.