

ChemMasters

Installation Guidelines

Traz 25 is a state of the art, film forming concrete and masonry waterproofing sealer formulated with methyl methacrylate polymers.

1.0 General

1.1 Scope

This specification covers the performance characteristics and application procedures for providing a film forming concrete and masonry waterproofing sealer formulated with methyl methacrylate polymers. Traz 25 resists contamination from hydrocarbon based substances and other chemicals. It repels water, is non-yellowing and forms an extremely durable film.

1.2 Material Description

The material shall be a film forming concrete and masonry waterproofing sealer formulated with methyl methacrylate polymers. It should provide excellent chemical resistance, high level of resistance to aliphatic solvents, acids, alkali, gasoline, oils and grease, excellent penetration, adhesion and durability, excellent water and liquid repellency reducing staining and moisture absorption, and superior resistance to ultraviolet light, freeze/thaw.

1.3 Typical Applications

- A. Interior or exterior, horizontal and vertical concrete and masonry, including exposed aggregate, terrazzo and manmade or natural stone
- B. Precast, poured and formed or tilt-up walls
- C. Residential, commercial or industrial applications
- D. Service stations, vehicle repair facilities
- E. Parking structures, plazas, driveways, patios and sidewalks
- F. Schools, shopping centers and malls, hospitals, sports arenas and stadiums
- G. Factories, refineries and warehouses

1.4 Limitations

- A. Traz 25 is not to be used as a curing compound or as a bond breaker for tilt up construction.
- B. Traz 25 is not recommended for primary or secondary containment areas or for use under resinous coatings. Consult ChemMasters Technical Service staff for alternative materials.
- C. Do not use on surfaces scheduled to receive concrete overlays, toppings or thin set mortars.
- D. Do not apply in the presence of foodstuffs.
- E. During times of heavy precipitation or excess moisture in the substrate,

Traz 25 may blush or have a milky appearance temporarily.

F. Quality curing or sealing compounds and floor treatments may darken or highlight the subtle color variations naturally present in concrete. When the difference in shading caused by absorptive deviation or finishing techniques is objectionable, consult ChemMasters technical staff prior to concrete placement for recommendations.

1.5 Quality Assurance

The repair contractor shall have experience and proficiency specific to the repair type and shall be approved by the engineer and the material supplier. The material supplier shall provide job service as required to assure proper handling and installation of materials. The field representative shall instruct as needed to assure that handling, mixing, placing and finishing of materials are in accordance with specifications.

1.6 Delivery, Storage and Handling

The product shall be delivered in the original, unopened containers. It shall be labeled with the manufacturer's name, product name and lot number. Materials should be stored at the job site under dry conditions and at a temperature of 40° F., (4° C.) to 90° F. (32° C.).

1.7 Environmental Requirements

All materials used for the repair work shall be VOC compliant. The manufacturer shall supply the appropriate material safety data sheets upon request.

1.8 Site Conditions

Coverage is dependent upon surface texture and porosity.

2.0 Materials

2.1 Approved Materials and Manufacturers

2.1.1 Product Standard

Traz 25, as manufactured by ChemMasters, 300 Edwards Street, Madison, Ohio, 44057-3112, 1-800-486-7866, is considered to conform to the requirements of this specification and shall be the sealer used. Traz 25 is a film forming concrete and masonry waterproofing sealer formulated with methyl methacrylate polymers. Traz 25 resists contamination from hydrocarbon based substances and other chemicals. It repels water, is non-yellowing and forms an extremely durable film.

2.1.2 Substitutions

No submittals for substitutions will be accepted after the bid date. All submittals must be made in writing to the engineer with supporting technical data sheets and test data showing complete equivalent performance.

2.2 Packaging/Coverage/Estimating

2.2.1 Packaging

Traz 25 is available in 1 U.S.gallon/3.8 liter cans packed 4 per case, 5 U.S.gallon/18.7 liter pails shipped 36 per pallet shrink wrapped and 55 U.S.gallon/208 liter drums.

2.2.2 Coverage/Estimating:

Ft.²/gal M²/L

A. Rough, porous textures:

1. First Coat 200-250 5-6
2. Second coat 300-350 7-8

B. Smooth, dense surface:

1. First coat 250-300 6-7
2. Second coat 350-400 8-9

2.2.3 Storage:

Store tightly closed containers in dry area away from direct sunlight and sources of heat. Shelf life of properly stored material is one year from date of manufacture.

2.3 Engineering Properties

The following engineering properties shall be typical of material performance when tested under laboratory conditions at 72°F (22.2°C).

2.3.1 Plastic Properties

2.3.1.1 V.O.C. Content: 688 gm/L

2.3.1.2 Solids: 25%

2.3.1.3 Dry time:

- A. @ 70° F./21° C.: 2 hours
- B. Recoat time: 1 hour
- C. Foot traffic: 4 hours
- D. Heavy traffic: 12 hours

2.3.1.4 Dry film thickness: Mil Ft.²/gal M²/L

- A. 2 200 5
- B. 1.33 300 7

C. 1 400 9

2.4 Accessory Materials as manufactured by ChemMasters, 300 Edwards Street, Madison, Ohio, 44057-3112, 1-800-486-7866, is considered to conform to the requirements of this specification.

3.0 Execution

3.1 References

- A. Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59
- B. Refer to ChemMasters MSDS and Technical Data Sheets

3.2 Surface Preparation

- A. Surface must be clean and free from dirt, dust, laitance, oil, grease, paints, curing or sealing compounds, tilt up bond breakers or other contaminants which would prevent proper adhesion.
- B. If one coat of Spray-Cure & Seal 25 has been applied as a curing compound on new concrete, it does not have to be removed prior to applying Traz 25 but surface must be clean. Curing or curing and sealing compounds other than SprayCure & Seal 25 or multiple coats of Spray-Cure & Seal 25 must be mechanically or chemically removed.
- C. ChemMasters' 1201 Citrus Cleaner or an industrial strength detergent is recommended for final washing. Rinse thoroughly and allow substrate to dry completely.
- D. Mask or tape any unfilled joints or install joint sealant prior to applying Traz 25.

3.3 Mixing:

- A. Traz 25 is packaged ready to use and only requires stirring or agitation prior to use. Do not dilute with water or solvents.

3.4 Application:

- A. Use a short nap roller, lambswool applicator or a solvent resistant, airless sprayer equipped with a fan tip, preferred method. Hold spray tip 6-8 in/ 15-20 cm from surface and apply a continuous film leaving no pinholes or gaps.
- B. Do not allow material to puddle.
- C. For higher gloss on porous or open textures or for greater chemical resistance, additional coats may be applied at recommended coverage rate.
- D. Apply subsequent coats when surface is tack free, normally 1 hour at 70° F./21° C. with 50%relative humidity.
- E. RECOATING: To recoat Traz 25 treated surfaces after a period of years, clean and degrease as noted above.
- F. Remove any loose or disbonded material then proceed with installation. There is no need to mechanically or chemically remove initial application.

3.5 Clean-up

Clean tools and equipment with Polyseal Solvent, xylene or toluene.