CETGUARD SG (STANDARD GRADE)

PMMA FIELD MEMBRANE RESIN

DESCRIPTION
CETGUARD SG is a high performance two-component, fast-curing, poly methyl-methacrylate (PMMA) resin used in roofing and waterproofing applications.

PRODUCT USE
CETGUARD SG is combined with catalyst and CETGUARD FLEECE reinforcement to form a monolithic, self-flashing and self-adhering reinforced membrane for a variety of new construction, refurbishment, and recovery roofing and waterproofing applications.

COLORS
CETGUARD SG is supplied in standard light grey.

PACKAGING
CETGUARD SG is supplied in 25-kg re-sealable drums.

MEMBRANE COVERAGE RATE (APPROXIMATE)
Normal substrates: 2.1 kg/m² (0.19 kg/ft²)
Fine grained substrates: 3.3 kg/m² (0.31 kg/ft²)
Rough substrates: 3.8 kg/m² (0.36 kg/ft²)

Gross yield/25-kg unit:±7.5 m² (81.5 ft²) @ 3.3 kg/m²

See recommendations for specific applications. Yields will vary depending upon installation technique and the smoothness and absorbency of substrate.

STORAGE
Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 0°C (32°F) or above 25°C (77°F). Approximate shelf life is 6-months when left sealed, unmixed and with proper storage.

APPLICATION CONDITIONS
This product is recommended for use at substrate and ambient temperatures between 3°C (37°F) and 35°C (95°F).

MIXING & CATALYZING
Thoroughly mix the entire drum of resin for 2–3 minutes. Remix before each use, and prior to pouring off resin into a second container if batch mixing. Catalyze only the amount of material that can be used within 15–20 minutes. Add pre-measured catalyst to resin component and stir for 2-minutes using a slow-speed mechanical agitator or stirring stick.

WORKING TIMES (AT 20°C (68°F)
- Pot Life: approx. 20 to 30-minutes
- Rainproof: approx. 30-minutes
- Next Coat: approx. 1-hour
- Fully Cured: approx. 3-hours

The times noted above are approximate, provided as a guideline, and may vary. Actual set times and cure should be established in the field based on actual field conditions.

TOOL CLEANING
When work is interrupted or completed, tools must be thoroughly cleaned with CETGUARD ACTIVATOR before the resin hardens.

DISPOSAL
Catalyzed and cured resin may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

CATALYST REQUIRED PER 1-KG OF RESIN USED

4% CATALYST 3°C TO 10°C (37°F TO 50°F)		3% CATALYST 10°C TO 20°C (50°F TO 68°F)		2% CATALYST 20°C TO 35°C (68°F TO 95°F)	
g	kg	g	kg	g	kg
40	.04	30	.03	20	.02

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APPLICATION GUIDELINES

HANDLING

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application. Refer to product Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

PERSONAL PROTECTION EQUIPMENT

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product workers must use butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain worker exposure below the Threshhold Limit Level (TLV). If the airborne concentration poses a health hazard, become irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

SURFACE PREPARATION

All substrates must be clean, dry, free of oil, grease, curing compounds, release agents, laitance, gross irregularities, loose, unsound or foreign material such as moss, algae growth, dirt, ice, snow, water or any other condition that would be detrimental to adhesion of resin to the substrate. Mask perimeter and top edge of the area to be primed and flashed to provide clean lines and prevent over-painting of resins. Remove and re-apply masking before resin cures and as required between coats. Apply appropriate CETGUARD primer to substrate as required. Refer to TR_CG_106 “CETGUARD Substrate Preparation Guidelines” for specific recommendations and requirements. Contact CETCO for recommendations regarding specific applications.

APPLICATION

Step 1: After mixing, apply resin to substrate at a rate of 1.4 to 3.1 kg/m² (0.13 to 0.28 kg/ft²) using approved rollers, brushes or notched squeegee to achieve a minimum 50 mil base coat. The Resin should be spread evenly onto the surface.

Step 2: Roll CETGUARD FLEECE reinforcement directly into the resin, avoiding any folds and wrinkles. Use a roller to work the resin into the fleece, saturating from the bottom up. The fleece should darken in appearance, with no white spots (white spots are indications of unsaturated fleece or lack of adhesion) showing. When required peel back fleece and apply additional resin onto the substrate, then slowly roll the fleece back into the resin, using care to remove any air pockets. It is important to correct these faults before the resin cures, or additional repairs may be required later.

Step 3: Apply an even coat of resin over top of the in-place fleece at a rate of 0.7 kg/m² (0.065 kg/ft²) using CETCO approved rollers to achieve a minimum 25 mil top coat. Use caution not to spread resin too thin.

REMARKS/COMMENTS

The information provided regarding application of CETCO products is based on extensive development work, as well as many years of experience, and is given to the best of our knowledge. However, due to the diverse conditions encountered in building construction, it is necessary for the contractor to test the product for its suitability in any given case. We reserve the right to make alterations in keeping with technical developments or improvements.

DISCLAIMER

NO WARRANTY, EXPRESS OR IMPLIED, IS MADE IN THIS DOCUMENT. THE PRODUCT IS NOT CLAIMED TO BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. User and certified CETCO Approved applicators determine suitability only. See individual CETCO product data sheets, SDS sheets, guide specifications and details for complete information regarding the suitability, application and handling of CETCO products.

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