

Technical Data Sheet

BC EA4 2217 Epoxy Coating – Primer



Industrial Supplier of:

Abrasives
Adhesives
Chemicals
Coatings
Equipment
Lubricants
Sealants
Silicones
Tapes

Bradechem ISO9001 Registered Firm

BC EA4 2217 Primer is a two-component, amine-adduct-cured epoxy paint / primer.

Product Features & Benefits

- Resistant to splashes and immersion in water and chemicals.
- Used as a primer and an intermediate coat for inside epoxy systems to kerosene and oil tanks. Warning! Not recommended for lead-free petrol tanks.
- Withstands aliphatic hydrocarbons, alkaline solutions and mild acids.
- Withstands immersion in neutral mineral solutions, vegetable and animal fats and oils.
- May also be used as a primer in other epoxy paint systems.

Technical Data

Volume Solids	60±2% (ISO 3233)
Weight Solids	70±2%
Specific Gravity	≈ 1.4 KG / LT Mixed
Mixing Ratio	Base – 4 parts by volume Activator – 1 part by volume
Pot Life	8 hours (+23°C)

Recommended Film Thickness & Theoretical Coverage Rates

Recommended Film Thickness		Theoretical Coverage
Dry	Wet	
70µm	120µm	8.6m ² / LT
125µm	210µm	4.8m ² / LT

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying Times

DFT 100µm	+10°C	+23°C	+35°C
Dust Dry	8 hrs	4 hrs	2 hrs
Touch Dry	12 hrs	6 hrs	3 hrs
Re-Coatable Without Sanding, Min/Max	32 hrs – 12 days	16 hrs – 6 days	8 hrs – 2 days
Fully Cured	14 days	7 days	3 days

Drying and re-coating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish	Semi-Gloss
Colours	Light Grey and Reddish Brown

Application Details

Surface Preparation

Oil, grease, salts and dirt are removed by appropriate means (ISO 12944-4).

Steel Surfaces: Blast clean to grade Sa2.5 (ISO 8501-1)

Primer Surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the over-coating time of primer (ISO 12944-4).

Primer	BC EA4 2217 Primer
Finish	BC EA4 2217 Epoxy Coating – Aviation

Application Conditions

All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10°C during application and drying. Relative humidity should not exceed 80%. The surface temperature of the steel should remain at least 3°C above the dew point.

Mixing Components

First stir the base and activator separately. The correct proportions of base and activator must be mixed thoroughly before use. Use a mechanical agitator for mixing.

Application

By airless spray or brush. If necessary, the paint can be thinned 5-20%. Airless spray nozzle tip 0.015" – 0.021". Spray angle shall be chosen according to the shape of the object.

Thinner	BC EA4 2217 Thinner
Cleaning of Equipment	BC EA4 2217 Thinner

VOC

The Volatile Organic Compounds amount is 420 ± 20 g/litre of paint.

Quality: All Bradechem Ltd Products are supplied under the scopes of the company's fully documented quality system.

Warranty: Bradechem Ltd warrants that the performance of the product supplied will conform to the typical descriptions quoted within this Technical Data Sheet provided the material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health & Safety: Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

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