

## BERGER 2-PACK POLYURETHANE COLORFAST ENAMEL

### PRODUCT SCOPE

Berger 2-Pack Polyurethane Colorfast Enamel is designed as finishing coat over a number of 2-Pack Systems and a variety of substrates. It offers optimum color retention coupled with a hard wear-resistant decorative high sheen finish. 2-Pack Polyurethane Enamels have a good light reflectance, colorfastness, chemical, moisture and solvent resistance making them suitable for exposed pipelines, tunnels, subways, airplanes, boats, various types of industrial steel structures, and various decorative purposes.

### PRODUCT COMPOSITION

Berger 2-Pack Polyurethane Colorfast Enamel is formulated on specialized Polyacrylate resins cross-linked with Poly-Functional hardener with colorfast pigments and selective additives which impart excellent properties of adhesion, colorfastness, chemical and moisture resistance on a wide range of temperatures and a variety of substrates.

### TECHNICAL INFORMATION

Type of Product	Two Pack-Cold Cured
Priming Coat	Different Types (According to Need)
Pack Viscosity	70~80 Sec @ F4 @ 30 °C
Gloss	Full Gloss
Color	Assorted
Volume Solids	53~59 %
Flash Point	23~28 °C
Xylene Rub	20 Rubs
Alkali Resistance	Good
Salt Resistance	Good
Water Resistance	Excellent
Abrasion Resistance	Good
Mixing Ratio	2 Parts Base : 1 Part Hardener (v/v)
Pot Life (After Mixing)	16 Hours @ 15 °C

### APPLICATION INFORMATION

Application Method	Brush, Roller, Conventional Spray
Application Viscosity	Depends on Method of Application
Solvent / Cleaner	PU Thinner
Covering Capacity (Theoretical)	14.5 m <sup>2</sup> /Litre @ 38 µm DFT (Assuming no loss)
Number of Coats	Recommended Two Coats
Dry Film Thickness	75 µm (Attain in Two Coats)
Drying Time	Surface Dry: 4~6 Hours @ 15 °C
	Recoat Time: 16 Hours Minimum
	Full Cure: 7 Days @ 15 °C

## SURFACE PREPARATION

- Surface must be free from dust, dirt, oil, grease, rust and any loose, flaking matter.
- Degrease the surface with Epoxy Thinner.
- For Ferrous metals, either the use of Epilux 610, Epilux 78 or Epilux 66 Primer (according to need of the substrate and working environment) is recommended.
- For Non-Ferrous metals, first apply a thin coat of 2-Pack Wash Primer and then apply one coat of Epilux 78 Primer prior to application of 2-Pack Polyurethane Colorfast Enamel.

## STORAGE AND HANDLING PRECAUTIONS

- Keep away from heat and spark sources.
- Keep under shed, away from direct sunlight.
- Keep the containers closed in storage.
- Never breath the dust, mist, gas, and vapors from the container.
- Do not apply during rain/fog/mist/wind or when the temperature is below 10 °C or above 40 °C.
- Use the paint in ventilation.
- Store below 35 °C for best performance.
- As long as container is firmly sealed and stored under recommended storage conditions, product can be used within 12 months of manufacturing date.

## FIRST AID

### In Case of Eye Splashes

- Wash with plenty of flowing cold water.
- Immediately consult the physician.

### In Case of Inhalation (If the person feels dizziness or unconsciousness)

- Remove the person to open fresh air area.
- Provide artificial breathing if needed.
- Consult a doctor.

### In Case of Ingestion

- Drink plenty of water or milk.
- Do not induce vomiting.
- Consult a doctor.

### In Case of Skin Contact (If Irritation is felt)

- Wash with plenty of water and soap.
- Consult a doctor if irritation continues.

## SPILLAGE HANDLING

- Do not wipe the place with solvent.
- Use wood sawdust and sand and thoroughly spread on the spilled paint.
- Gather the mixture, store in some waste drum and dispose off according to local environment regulations.
- Never throw out the paint in open garbage areas where fire is a norm.

## SAFETY AND PRECAUTIONS

- Avoid prolonged and repeated contact with skin.
- Avoid prolonged inhalation.
- Never try to ingest the product.
- Always use safety items like goggles, mask, gloves, and apron for personal safety.
- Do not use the product in congested or poor ventilated areas.