

# POLYCOVE

## Heavy Duty Polyurethane Coving Material

### Description

POLYCOVE is a lightweight trowel applied COVE GRADE material based upon a liquid polyurethane resin system. Designed specifically for use with the POLY range of polyurethane flooring in order to maintain the same standards of resistance to abrasion and chemical contact.

### Composition

Water dispersed polyurethane resin system combined with a graded silica aggregate.

### Appearance

A finely textured smooth aggregate surface of uniform colour.

### Durability

Highest order of durability, resistances to abrasion impact and chemical attack.

### Thickness

2mm – 10mm

### Typical Installations

POLYCOVE is used to form chemically resistant coving and fillets. To be used up to approx 300mm high. It is often used in combination with Polyscreed to provide totally seamless “box” finish floor/coving systems within high hygiene sterile process areas. Where used in wet environments or high pressure washing is used, POLYCOVE should be over-coated with 2 coats of POLYCOAT HB.

### Substrates

In combination with EPOTACKPRIME, POLYCOVE adheres well to concrete, grano, brick/block, plyboard and mild steel.

### Surface Preparation

To be assured of maximum adhesion and properties from CEMART resin products the correct surface preparation is essential.

### Application Conditions

Between 5 and 30° C. Maximum moisture content of 75% RH.

### Priming

Priming of all surfaces should be undertaken with EPOTACKPRIME. Application of POLYCOVE should be effected into the tacky (uncured) primer in order to maintain a sound adhesive bond.

### Mixing

Pre-mixing of the coloured liquid component is recommended to ensure any light settlement is reincorporated. Thoroughly drain the contents of the hardener bottle into the container holding the liquid colour component and mix the two thoroughly to produce a homogeneous mix. Load the mixed liquids into a rotary drum mixer and add the aggregate component in stages. Mix until a lump free mix is obtained.

### Application Techniques

Apply by plasterers float or coving “iron” directly into tacky POLYPRIME. Do not allow primer to cure to tack free state as this could lead to application/adhesion problems.

### Coverage Rates

Approx. 5 linear metres per unit @ 100 mm high, 50 mm base.

### Cure Schedule

Usable Life of full unit @ 20° C	- 20 mins
Initial film gel time @ 20° C	- 20 mins
Cure time to light impact @ 20° C	- 8-12 hours
Cure time to heavy duty service @ 20° C	- 24 hours
Full cure @ 4mm @ 20° C	- 3-5 days

### Chemical Resistance

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. Please refer to technical department Best results are obtained when material is sealed with POLYCOAT HB.

### **Colours Available**

Full range of CEMART colours except White, Light Blue and Magnolia.

Due to the different blends of aggregate used in POLYCOVE to other CEMART products, an exact colour match to the flooring material is not possible if aesthetics are an issue. Over-coating with 2 coats of POLYCOAT HB can provide a stronger coloured finish.

### **Technical Data**

Compressive strength to BS6319 Part 2 (N/mm <sup>2</sup> )	50.0
Tensile strength to BS2782:320D (N/mm <sup>2</sup> )	5.0
Flexural strength to A.S.T.M. D790-84a (N/mm <sup>2</sup> )	30.0

### **Health and Safety**

Avoid contact of the material with skin and eyes.  
Wear appropriate gloves, overalls and eye protection during use. Please refer to material Safety Data Sheet for additional information. For specific advice regarding any aspect of this product, please consult our Technical Section.

### **Storage, Mixing & Application**

The storage, mixing and application conditions can affect the quality of the finish produced.

### **General Guidance**

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department. Please consult our Sales Department to confirm that this Data Sheet is the current issue.