



## GP UNIVERSALPRIMER SF

GP UNIVERSALPRIMER SF is high modulus two-component epoxy system consisting of an epoxy resin and amine type hardener. It is a 100% reactive system and solvent free. It is designed as a moisture insensitive adhesive and binder for numerous application needs and available in low viscosity (LV) medium viscosity (MY) and GEL consistency.

### APPLICATION:

LV

Sealing porous concrete, filling the cracks on concretes .

Priming

Binder in epoxy mortar and epoxy concrete.

MV

Bonding old slab with new topping

Concrete coating

Bonding highly irregular surface

Spilled vertical joint repair

### SPECIFICATIONS:

LV grade complies with ASTM C 881, Type 1 and 111, Grade 1, class B,C,D,E and F.

MV grade complies with ASTM C 881, Type 1, 11, 11, grade 2, class B,C,D,D,and F

GEL grade 2, complies with ASTM C 881 TYPE111

And 1V, Grade 3, class B, C, D, E and F

### ADVANTAGES:

High compressive and tensile strength



High resistant to aggressive chemicals

Corrosion and abrasive resistant.

Can withstand operating temperature from -30 to 100c(dry heat)

Universal adhesive for bonding together concrete, wood ceramic and steel material.

Waterproof

Supplied in pre-weighted quantities

## TYPICAL PROPERTIES:

Solids Content : 100%

Pot life @20c : 60 minutes

Initial hardness (tack free) :24 hrs

Volume shrinkage : 0.4 days

Full cure : 7 days

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	LV	MV	GEL
Compressive strength N/mm <sup>2</sup>	85	96	96
Flexural strength N/mm <sup>2</sup>	45	43	43
Tensile strength N/mm <sup>2</sup>	35	33	33
Water Absorption %	0.45	0.30	0.25

## DIRECTION FOR USE:

### SURFACE PREPARATION:

Surface must structurally sound, clean and free from dust, oil grease, curing compounds and other loose debris. Surface should be fairly rough. Recommended methods for preparing concrete are by sandblasting, water, jet, acid, etching, grinding, Wire brushing, or by pneumatic chipped tools. All free standing water must be removed and the substrate allowed to completely dry. In general, the surface preparation and application methods recommended in ACI 5033, 1503.2 and 503,4 should be followed.



## **MIXING:**

Complete mixing is essential. The part B hardener is added to part A resin and mixed not more than 3 minutes after mixing transfer to a shallow container, and place immediately. Do not work out of the supplied container. Part mixing should not allow.

## **PRIMING:**

For priming use LV applied by roller, airless spray, or by squeegee at the rate of 4-5 sq. meters per kilogram primer should be tacky before applying epoxy mortar. Do not apply coating or epoxy mortar over hardened primer.

## **SEALING:**

For sealing porous and non porous areas, use LV applied by roller, airless spray, or squeegee at the rate of 4 sq. meter per kilogram. A second application may be needed for extremely porous areas.

## **BONDING:**

For bonding concrete toppings, use MV applies with a hard bristled nylon brush. Thickness bond coats should not be less than 1mm. Place fresh concrete topping while bond coats is still tacky. Use for bonding highly irregular surfaces.

## **VERTICAL | OVERHEAD REPAIR:**

Use GEL blended with special grade aggregate. (Note – Consult GLOBAL PAINTS technical dept. when blending with aggregate and for specific applications. If the repair area is thin and shallow (5mm or less) use GEL with out aggregate.

## **CLEANING:**

For cleaning tools and equipments use GP SOLV 111.

## **IMPORTANT:**

Do not apply GP UNIVERSAL PRIMER SF on un separated surfaces.

Do not apply over hardened primer or old epoxy without proper surface preparation.



Do not blend with solvents unless otherwise recommended by manufacture.

## **PACKING:**

GP UNIVERSAL PRIMER SF is supplied in units of 5 and 20 litres pack. Special packs can be available depending on quantity.

## **STORAGE:**

One year shelf life in original unopened packing at 25c stored in dry place.

## **HEALTH AND SAFETY:**

Always use protective clothing, eyes goggles and rubber hand gloves when handling this product. Aviod the contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water. Accidental splashes on the eyes should be immediately cleaned with water and medical attention sought.

Note: All data statement and recommendations made here are based upon information we believe to be reliable, but are made with out representation of guarantee or warranty of accuracy. Our products are sold on the condition that the user themselves evaluate them as well as our formulae and recommendations to determine their stability for its own purpose before adoption. Also statements regarding the use of our products or process are not construed as recommendations for their use in violation of any patent right or violation of any applicable laws of regulation

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