



GP FLOOR SF 400

High Build Epoxy Coating

GP FLOOR SF 400 is a solvent free, two components high build colored system consisting of Epoxy resin and polyamine curing agent. It is designed to provide concrete floor surface to abrasion and protect against chemical attack. These superior properties are further enhancing by the availability of a wide range of semi-gloss colors for esthetic function.

ADVANTAGE:

- *High performance surface tolerance coating
- *Can be applied over mechanically cleaned steel and suitable prepared concrete.
- *Excellent abrasion resistance under fork lifts traffic.
- *Especially formulated for Middle East climate.

Adhere most types of existing coating can be applied as a plain or no-slip floor finish, applied by roller brush

Solvent-free, does not release objectionable solvent odor slightly flexible and do not taint food stuffs.

USES:

GP FLOOR SF 400 is used for coating concrete surface subject to abrasion and chemical attack. Typical floor surface suitable for coating with GP FLOR SF 400 are indoor warehouses.

Helipads, Dairies, Chemical plants, Food processing plants, Car park etc.

TYPICAL PROPERTIES:

Solid Content	: 100%
Pot life @	
25c	: 60minutes
35c	: 30 minutes
Working time (applied over concrete) at	
25c	: 100 minutes
35c	: 60 minutes
Touch dry at 25 35c	: 3 4 hrs



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Maximum over coat time	: 24-36 hrs
Light foot traffic after	: 24 hrs
Full cure	: 7 days
Compressive strength	: 70 N/sq.mm
Flexural strength	: 42N/sq.mm
Tensile strength	: 22N/mm

DIRECTION FOR USE:

NEW CONCRETE

New concrete should be at least 28 days old and cured with polyethylene sheets, we burlap or water. Any curing compound and excessive laitance should be removed by mechanical means (eg. Shot blasting, grinding). Excessive laitance should be removed by GP SOLV 111 is followed by thorough scrubbing. Before applying coating, remove any dust or lose adherents completely. Moisture should be below 5%.

OLD CONCRETE

Surface must be free from oil, grease, coating, curing components, sealers, dirt and foreign matters. Oil and grease should be removed using GLOBAL PAINTS CHEMICAL DEGREASER (see separate leaflet)

Recommended for cleaning old concrete and sand blasting, grinding, water-jet blasting. Surface should be dry before applying primer.

PRIMING

Old and new concrete surface must be primed/sealed with GP PRIME 110 applied at the rate of 4 sq. meter per kilogram. The two components of GP Prime 110 should be mixed together by manual stirring for 3-5 minutes. Apply mixed primer on to the concrete by roller or stiff brush and allow to dry until tack-free(normally 24 hrs) GP FLOOR SF 400 should be applied on to the primed concrete with in 36 hrs.

PLAIN COATING

The entire contents of each components (part A & B) should be transferred to a clean suitable container and mixed with a slow speed drill fitted with a paddle(200 – 300 rpm) mix for 3-5 minutes until streak free. Improper mixing will result in a soft or tacky surface. Do not add thinner or solvent.

After mixing pour the coating into the primed substrate and spread using a squeegee. Sock up existing coating using a short haired nap roller (3/8 in) until a minimum wet film thickness should be checked with a wet film thickness gauge.

(NOTE-Where thicker coats is required additional coats should be applied once the first coat had dried with in 24 hrs)



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ANTI-SLIP COATING

Follow the mixing procedure detailed in 4.1. Apply the base coat on to the substrate with a short haired nap roller to achieve a film thickness of 200 microns as measured with a wet film thickness gauge. Theoretical spreading rate this thickness is 3 square meters per kg. Immediately broadcast anti-skid aggregate no.2 until coating is fully blinded (consumption of aggregate is approximately 1.8 to 2kg per sq. meter) alternatively the antiskid aggregate can be broadcasted in light random dressing if so desired. Allow base coat dry, remove excess dressing aggregate from the coating preferably with a vacuum cleaner. Apply top coat with a medium haired roller until all the aggregates are sealed. Theoretical spreading rate of top coat is 1.5 to 2 sq. meters per kg. Allow top coat dry.

CLEANIG : Clean tools immediately with GP SOLV 111

SHELF LIFE : Twelve months from date of manufacture if stored in original container below 35c.

COLOURS

Available is standard grey, Silver grey, green, beige, brick red and blue. Special colour can be made depending upon the quantity.

FIRE

GP FLOOR SF 400 – Non Flammable

GP PRIME 110 – Flammable, keep away from open flames and heat.

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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