

FLOORFORT LEVEL'PERFECT- C400

SELF-LEVELING, SELF-SMOOTHING POLYMER MODIFIED CEMENTITIOUS TOPPING

LEVEL PERFECT C400 is a one part, cement-based, polymer modified floor topping and levelling compounds designed to provide smooth and level floors with a minimum of time and labour.

It can be used to prepare a wide variety of sub-floors for installation of tile, carpet, resilient flooring, wood flooring and many types of surface coatings. It may also be left exposed as a final finish in light industrial or commercial environments.

It provides rapid, economical casting, repair and levelling in exterior exposures and in wet environments. It readily accepts a variety of finishes, or may be left exposed to traffic and weather.

USES:

- Levelling uneven concrete
- Resurfacing frozen, rained-on or scaled concrete
- Correcting camber problems
- Filling depressions, sags or "birdbaths"
- Topping and levelling pre-cast planks or tees
- Smoothing rough concrete

FEATURES:

Bonding: Polymer modified formula develops high adhesive strength on properly prepared sub-flooring. And compatible with traditional floor-coverings. Self levelling and self smoothing.

Ease of Application: Requires no special skills, tools or additives. LEVEL PERFECT C400 simply mixed with water using a drill or other mechanical mixer, poured, spread and left to harden. May be installed in any thickness in one lift. Readily pumpable using any standard grout pump for large installations, without separation, settling in lines or "bleeding".

Compatibility: May be used over concrete, wood, steel or polystyrene foam. Readily accepts many types of coatings, adhesives and mastics typically used in setting tile and installing carpeting or other types of flooring.

Non-Dusting and Water Resistant: Does not tend to "dust" through carpeting or crumble upon contact with moisture, the way gypsum based self-levelling compositions tend to do. Keeps from soiling carpets, lifting tiles and blistering coatings and coverings.

High Strength: Cement-based composition builds strength up to 5800 psi, matching high quality concrete. Quick opening to traffic

Safety: Contains no toxic resins, solvents or diluents. odorless, non-flammable, non-corrosive. 100% ECO friendly and LEED comply.

PROPERTIES:

Composition:	Polymer-modified cement blend with flow and set-controlling additives, extenders and fillers
Flow Time:	10 - 20 minutes at 70°F
Initial Set:	45 - 90 minutes
Foot Traffic:	2 - 4 hours
Finishing/Covering:	12 - 24 hours
Mixing Ratio:	4 parts LEVEL PERFECT C400 to 1 part water, by weight
Coverage:	1 lb. per sq. ft. at 1/8" thickness 2 lb. per sq. ft. at 1/4" thickness
Minimum Application Temp:	40°F (4°C)
Compressive Strength:	1,200 psi at 3 hours 3,300 psi at 1 day 4,500 psi at 7 5,800 psi at 28 days

NOTE: Actual flow time, set time, and strength development are temperature dependent.

APPLICATION:

SURFACE PREPERATION: Remove all grease, oil, dirt, wax, curing compounds, unsound concrete or other materials which may interfere with adhesion. Frozen or other substandard concrete surfaces must be cut back to the depth required to reach sound substrate for bonding.

MIXING: To fully develop self-levelling properties without the use of excessive amounts of water, product should be mechanically mixed using mortar mixer, grout mixer or slow speed drill with mixing paddle (250 rpm). Avoid whipping excessive air in mixes. Add LEVEL PERFECT C400 powder to water and mix for 2-4 minutes to achieve a homogeneous, flow able, fine batter consistency. If excess liquid readily "bleeds" onto surface upon standing, reduce water ratio. Adjust consistency as required by adding more powder or water.

PLACEMENT: Pour or pump LEVEL PERFECT C400 in place and spread with screed, float, squeegee or broom .No trowelling is required, unless "feather-edging" is desired at the perimeter of the pour. Sub-floor high spots should receive a minimum 1/8" cover. Do not re temper material which has begun to set. Discard any material not used within 20 minutes of mixing.

CURING: Although LEVEL PERFECT C400 is a cement-based product, it does not require extended moist cure, and most installations will require no special curing procedures. When working in hot, dry and/or windy conditions, some misting of the surface during the first 1-3 hours after pouring may be required to avoid too-rapid drying. After this initial period, the product should be allowed to dry cure.

PACKING: 20 Kg and 25 Powder Bags

STORAGE AND HANDLING: Store powder in dry area, off the floor. Contains cement and free silica. Avoid skin and eye contact and avoid breathing dust. Observe all safety and handling guidelines as detailed in the Material Safety Data Sheet supplied with this product. Keep tools clean and wet during use, and clean up immediately after use. Keep packages closed when not in use.

