

Technical 30.03.2018

BETON FIX

Fluid concrete, special for monolithisation, without shrinkage

Use:

Fluid concrete for underpinning and monolithization of machinery foundations, metal and concrete piles, concrete beams, metal structure elements and other similar.



Characteristics:

- High resistance
- High fluidity
- Easy processing
- Balanced shrinkage

Technical data:

Item No.:	BETON FIX
Material foundation:	Cement, lime, mineral aggregates, polymers, plasticizers
Quality standard:	SR EN 1504 – 6 / 2007
Compressive strength:	12 % water – 1 day – minimum 30 N / mm ² 12 % water – 7 days – minimum 60 N / mm ² 12 % water – 28 days – minimum 70 N / mm ² 13 % water – 1 day – minimum 30 N / mm ² 13 % water – 7 days – minimum 50 N / mm ² 13 % water – 28 days – minimum 60 N / mm ²
Tensile strength:	12 % water – 1 day – minimum 5 N / mm ² 12 % water – 7 days – minimum 7 N / mm ² 12 % water – 28 days – minimum 10 N / mm ² 13 % water – 1 day – minimum 5 N / mm ² 13 % water – 7 days – minimum 7 N / mm ² 13 % water – 28 days – minimum 10 N / mm ²
Granularity:	Max. 4 mm
Tearing under a load of 75kP:	Max. 0,6 mm
Coefficient of elasticity:	35000 N / mm ²
Thickness of application:	Max. 60 mm
Bucket time:	Approx. 30 minutes
Air/substrate temperature when placing:	Min. +5°C max. +30°C

Consumption:	Approx. 1,9 – 2,0 kg / liters – 4 kg / mm ²
Packaging:	Paper bag resistant to humidity
Delivery:	30 kg
Storage / Validity:	12 months from date of fabrication on the packaging, according to Directive 1907/2006/EC and GR 932/2004, at 20°C and 65% relative humidity. Store in dry spaces on wooden pallets.

Technical data and those related to consumption are determined in standard conditions.

There may be differences depending on conditions of applications.

Base:

Surface of the base must be resistant, clean, dry, without cracks or fissures, adherent and compact, free of grease, dusts, loose debris, salts or other material than can form a separator layer. Remove all fragile portions and mortar or concrete residues. The mineral support layers, concrete plasterworks or screeds must be at least 28 days old, respectively they must be completely hardened and dried. Concrete bases are watered in depth, up to saturation, before applying the product. Excess water is removed with a sponge or compressed air.

Processing:

Both the container and the mixing water must be clean. Dry mortar is introduced in water. For 30 kg mix homogeneously water in a ratio of 12% respectively 3,6 liters for normal consistency, or in a ratio of 13% respectively 3,9 liters for a fluid consistency, with an electric mixer at low speed. Space where the material is going to be poured must be prepared to avoid uncontrolled leakage of the material, as well as to avoid accumulation of air pockets after pouring. Material is poured into the destined space only from one side, in continuous flow, to facilitate air release. Do not vibrate the freshly applied material. On difficult sections, facilitate distribution of the material with a wooden or metal slat.

After pouring, concrete is protected against dehydration with specific measures: cover with foil or water spraying, minimum 24 hours after application.

Important:

- Consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- During application and drying, avoid exposure of the surface to direct sunlight and air currents;
- Comply with the information in the technical security sheet;
- This technical sheet replaces all previous versions. Information in this technical sheet represents our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.