

BITUMIX

EFFEKTIVE LØSNINGER

BITUMIX Plast

Product information

Fast-curing fibre-reinforced light-weight mortar for repairing berms and well equipment.

Product description:

BITUMIX Plast is a fast-curing cement and fibre-based light weight repair concrete that requires only the addition of water. BITUMIX Plast has a particularly good workability and hardens faster than traditional repair concretes. The product is composed of special fast-curing cement, microsilica, and a series of additives and oven-dried silica sand. Satisfies the material requirements for extra aggressive environments (see DS 2426).

Applications:

BITUMIX Plast is particularly well-suited for demanding repair jobs in manholes, well berms and similar tasks requiring stable, formable fast-setting concrete. BITUMIX Plast is easy to form and can be used in places requiring large and varying layer thicknesses and relatively rapid setting.

Preparation:

To ensure the greatest possible adhesion for old concrete, the surface should be cleaned of any cement slurry, dust, oil, grease and other loose impurities. The cleaned surface must be watered, to produce a uniform, dull and slightly absorbent surface.

Mixing:

Add approx. 1.7-1.8 l per 10 kg BITUMIX Plast and 4.25-4.5 l clean water, and mix for at least 5 min. to the desired consistency in a suitable agitator mixer. It is recommended to mix the entire content of the bag. Manual mixing can be done with a low-speed drill with a suitable mixer attachment. First pour the mixing water into the tub. Then add the dry product and blend the mixture is thoroughly. The working time is 20-30 min at +20°C. Higher temperatures will shorten, and higher temperatures will lengthen both the processing and hardening times.

Application:

BITUMIX Plast can generally be applied in thicknesses of about 2 to 100 mm. The mixed concrete is applied and compressed thoroughly. The application is done by hand (remember gloves) or using ordinary masonry tools. Subsequent finishing can be done with plastering, fill plastering or steel trowel plastering tools.

Aftercare:

In warm periods, newly laid concrete should be protected from rapid drying due to draughts, high temperatures, sunrays, etc. In winter periods, the concrete should be protected (optionally, with winter mats) against frost, hard winds etc. in the first 24 hours of curing.

Limitations:

Do not perform repair work with BITUMIX Plast at temperatures under +5°C; the concrete does not tolerate frost in the setting and curing period. As BITUMIX Plast is a lightweight mortar, the product should not be used in areas that are subject to heavy traffic.

Cleaning:

Clean equipment, machinery and tools with water immediately after use.

Storage:

The storage life is min. 6 months upon correct storage in unopened original packaging.



1073
Manufactured for Arstec Polska Sp. z o.o.
by: Marlon Tørmørtel A/S
Virkelyst 20, DK-8740,
Brødstrup
Year 09
DoP 10559

EN 1504-3
1073-CPD-R171

Concrete repair product for repairs that are not subject to static requirements.

Compressive strength	> 45 MPa
Chloride content	≤ 0.05 %
Adhesion	≥ 2.0 MPa
Carbonatization	Passed
Elasticity modulus	≥ 20 GPa
Thermal compatibility	Part 1 ≥ 2.0 MPa
Capillary absorption	≤ 0.5 kg·m ⁻² ·h ⁻⁵
Hazardous substances	Compliant with section 5.4
Fire-resistance	Class A1

Product Data

Manufactured for Arstec Polska Sp. z o.o. by:

Marlon Tørmørtel A/S, Virkelyst 20, DK-8740 Brødstrup

Material type:

Fast-curing, cement-based repair concrete.

Technical data

Compressive strength, 2 hours > 5 MPa DS/EN 1015 -11

Compressive strength, 7 days > 25 MPa -

Compressive strength, 28 days > 45 MPa -

Added water:

1.7-1.8 l per 10 kg. 4.25-4.5 l of cold water per 25 kg.

Pouring temperature:

Between +5 and +25°C.

Opening time:

Approx. 20 min. at +20°C.

Layer thickness:

Approx. 2-100 mm. Guideline.

Yield:

1 kg dry mortar makes approx. 0.65 l wet concrete.

Filler material:

Oven-dried and sorted silica sand, cl. E. 0.1mm.

Additives:

Polypropylene fibre and weight-reducing aggregate, with plasticizing and contraction-compensating additives.

Packaging:

10 kg tub. 25 kg plastic sacs.

References:

Applicable safety data sheets can be downloaded from Bitusal.dk

Arstec Polska Sp. z o.o.

Ul. Zielonogórska 63/17A
41-219 Sosnowiec
+48 690 080 090
biuro@arstec.eu
www.arstec.eu



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