Product description:
BITOMIX UN4 is a pre-mixed dry mortar product that is simply mixed with water at the work site. The product is made of Portland cement, mineral additives and oven-dried silica sand with a controlled grain curve. BITOMIX UN4 is produced in 0-4 mm. BITOMIX UN4 satisfies the requirements for extra aggressive environments according to DS 481. BITUMIX is water and frost-resistant in its set state.

Applications:
BITOMIX UN4 can be used where there are minimal requirements of wear resistance and compressive strength, e.g. for embedment of posts, minor concrete repairs in non-stressed building constructions, for levelling and laying of floors, base plaster and jointing etc. Mixing with the designated amount of water produces a mortar/concrete with good workability and adhesive properties. BITOMIX UN4 turns a natural grey colour on mixing with Portland cement. When correctly mixed, the colour will always be the same.

Preparation:
For repair work and plastering work on old concrete, the surface must be free of cement slurry, oil, grease and loose impurities. Water down the cleaned surface so it is uniform, dull and slightly absorbent, to ensure adequate adhesion of the mortar.

Mixing:
Add BITOMIX UN4 to approx. 0.9 l per 10 kg and 2.2 l cold water per 25 kg dry mortar. Mix BITOMIX UN4 in a suitable agitator mixer or in a bucket/tub using a drill and mixer attachment until you achieve a consistency that is easy to work with. The mixing time is min. 5 min. Do not mix more mortar than you can use within about 60 minutes max.

Application:
Apply BITOMIX UN4 in layers of up to approx. 40 mm using screeds with straightedge and finish/trim. BITOMIX UN4 can also be applied using ordinary masonry tools. Excessive variation in layer thickness may result in shrinkage cracks.

Aftercare:
Newly grouted concrete must be protected from rapid drying due to draught, high temperatures, sun rays, etc. In hot and dry periods, the plastering should be watered down.

Limitations:
Do not plaster at temperatures under +5°C. BITOMIX UN4 does not tolerate frost in the setting and curing periods.

Cleaning:
Clean tools with water immediately after use. Hardened BITOMIX UN4 can only be removed mechanically.

Product Data
Manufactured for Bitusal ApS by:
Marlon Tørmørtel A/S Virkelyst 20, DK-8740 Brædstrup

Material type:
Cement-based dry concrete.

Environmental class:
Aggressive.

Technical data
Compressive strength, 28 days: 35 MPa DS/EN12190
Density (wet): 2,000 kg/m3 DS/EN 12190
Consistency: Stiff plastic/plastic TI-B18(86)
Chromate content: < 2 mg/kg cement
Chloride content: 0.02 mass % of mortar DS 423.28

Cement type:
Portland cement, CEM I 52.5 N (LA).

Filler material:
Oven-dried and sorted silica sand, cl. E. 0.4 mm.

Additives:
Polymer, polypropylene fibre, plasticizer and adhesion-improving additives.

Added water:
approx. 0.9 l per 10 kg. 2.2 l per 25 kg.

Layer thickness:
Guideline 10-40 mm.

Consumption:
Approx. 2 kg dry powder product per m²/mm layer thickness.

Packaging type:
10 kg tub. 25 kg plastic sacs.

Storage:
12 months in dry and suited conditions in unopened packaging.

References:
Applicable safety data sheets can be downloaded from Bitusal.dk