

## TECHNICAL DATA

## CORA GROUT



## *PRODUCT DESCRIPTION*

It is a cement-based, non-shrinking, self-leveling, fluid anchoring and repair mortar with high adherence and strength.

## *AREAS OF USE*

- In filling the gaps,
- In concrete repair,
- In filling the machine foundations,
- In interior and exterior applications,
- In road and bridge connections,
- In fixing steel columns to the foundation,
- It is used in multi-purpose molded anchoring works.

# *TECHNICAL SPECIFICATIONS*

Dry density	1950 ±200 gr/lt
Contraction expansion	≥2 N/mm <sup>2</sup>
Workability period	≤10 dk
Compressive strength	55 N/mm <sup>2</sup>
Adhesion strength	≥ 2 N/mm <sup>2</sup>
Content of chlorine dissolved in water	%0,05
Grain size	≥ 2mm

## *FEATURES*

- It is a very easy to use material.
- It becomes ready for use by simply adding water.
- Gains strength very quickly.
- Loading can be done after 1 hour.
- Since it does not shrink, it can be used in any environment.
- It has high hardness and wear resistance.
- Since it has very high adhesion, it works monolithically with old concrete.

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## *SURFACE PREPARATION*

- The application surface must be cleared of any material that may prevent adhesion, and the surface must be wetted and kept moist so that no water accumulates.
  - Formwork systems must be solid, vibration must be prevented until the mortar hardens, the parts to be fixed must be leveled and their positions must not be changed,
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# *APPLICATION*

- Add 25 kg of POLIANK Mortar into 4 kg – 4.5 kg of clean water, continuing to mix with a slow and low speed mixer. A homogeneous consistency is achieved by mixing for at least 5 minutes.
  - To prevent air entrapment, the mortar is poured continuously from one side, with a thickness of 10 mm to 40 mm in each layer.
  - Due to fluidity, pouring can be done with the help of a pump.
  - At least 24 hours must be waited before removing the molds.
  - The freezing time is approximately 10 minutes, taking into account the weather conditions and ground conditions, and the walking time is between 20 and 30 minutes.
  - During the machine fixing process, the machines should not be operated for at least 12 hours.
  - The most effective factor to be considered during the application process and setting time is the weather conditions. Necessary precautions should be taken in weather conditions such as direct sunlight, strong wind, high air temperature and rain or frost, and if necessary, the application should not be done.
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# *STORAGE, PACKAGING, CONSUMPTION*

- It should be stacked up to 10 times in its original packaging.
  - Necessary precautions must be taken against water, humidity, frost and severe weather conditions.
  - It should be stored on a pallet and in a dry place between +10 and +25 C.
  - Punctured, opened and burst bags should be closed or used immediately.
  - If the specified storage conditions are observed, the storage life is 12 months.
  - In 25kg kraft bag.
  - Depending on the application technique and application density; for 1 mm thickness; 2 kg/m<sup>2</sup> consumption rate.
  - The specified rates are theoretical standards and may vary depending on the application method and intensity of use.
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# *WARNINGS AND PRECAUTIONS*

- Do not use in areas that are mobile and have no resistance.
- Do not apply at temperatures below + 5 C and above + 35 C.
- Avoid applying in areas that are frozen or at risk of freezing within 24 hours, and in areas exposed to direct sunlight and wind.
- After application, it is recommended to keep the mortar moist until it cures.
- It should not be brought into contact with skin, eyes and mouth, and the application should be carried out by taking the necessary work safety precautions.