

MYK REMICRETE PC 20

High Performance concrete superplasticiser, based on polycarboxylic technology

Technical Data Sheet

Product Description:

MYK Remicrete PC20 differentiated from conventional superplasticisers in that it is based on a unique carboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. At the start of the mixing process an electrostatic dispersion occurs but the cement particle's capacity to separate and disperse. This mechanism considerably reduces the water demand in flowable concrete.

MYK Remicrete PC 20 combines properties of water reduction and workability retention. It allows the production of high performance concrete and/or concrete with high workability.

MYK Remicrete PC 20 is a particularly strong super-plasticiser allowing production of consistent concrete properties around the required dosage.

Uses:

MYK Remicrete PC 20 is a high performance super-plasticizer intended for applications where increased early and ultimate compressive strengths are required, and it has been developed for use in:

- Self compacting concrete
- Pumped concrete
- Concrete requiring long workability retention
- High performance concrete

Advantages:

- Increased early and ultimate compressive strengths
- Increased flexural strength
- Higher E modulus
- Improved adhesion to reinforcing and prestressing steel
- Better resistance to carbonation
- Lower permeability
- Better resistance to aggressive atmospheric condition
- reduced shrinkage and creep
- Increased durability

Technical support

MYK provides a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment.

Properties:

Appearance : clear to brown

pH 27°C : Min 6.0

Specific Gravity 27°C : 1.10 ± 0.05

Chloride content : Nil to BS: 5075

Dosage:

The optimum dosage of MYK Remicrete PC 20 to meet specific requirements should be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.3 to 2.5 ltrs/100 kg of cementitious material.

Use at Other Dosages:

Dosage outside the normal range quoted above can be used to meet particular mix requirements. Contact MYK for advice in these cases

Effects Of Overdosing:

Over dosage may cause delay in the setting time.

Estimating Packaging:

MYK Remicrete PC 20 is available in 200 , 210, 225 kgs drums.

Storage:

MYK Remicrete PC 20 has a shelf life of 24 months provided the temperature is kept within the range of 5 °C to 50 °C. Should the temperature of the product fall outside this range then contact local MYK office for advice.

Precautions:

Health and safety instructions:

MYK Remicrete PC20 does not fall into hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data sheet available for this product.

Fire:

MYK Remicrete PC 20 is water based and non-flammable.

Cleaning and Disposal:

Spillages of MYK Remicrete PC 20 should absorb onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Quality Policy:

The information given in the data sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly endeavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department.

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg.

Note:

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations.

MYK SCHOMBURG INDIA PVT LTD
(An Indo-German JV)
8-2-703/A, 3rd Floor, Leela Gopal Towers,
Road No. 12, Banjara Hills,
Hyderabad -500 034
Tel: +91 40 3040 0000
Email: mykschomburg.com
www.mykschomburg.com