

CCI NEOCRETE 3 P

Integral Quick-Setting Powder Compound for Cement Mortar and Concrete

Description

CCI Neocrete 3 P is a versatile powder compound for quick setting and rapid hardening of cement and concrete. It functions as a quick setting accelerator, allowing faster dismantling of shutters, thereby increasing the progress of work.

Domains of Application

- ✓ Extremely suitable for producing hard concrete in a short time.
- ✓ Acts as an anti-freezing compound for frost-free concrete.
- ✓ Helps faster de-shuttering.
- ✓ Ensures early strength gain.
- ✓ Very suitable for plugging leakages from weep holes, masonry joints.

Advantages

CCI Neocrete 3 P can be used successfully for faster dismantling of shutters and for early gain of strength. Normally 7 days strength is achieved in 3 days and 28 days strength in about 7 days.

It is very suitable for big precast yards, fast concreting work in factories, workshops etc., where shutdown time is restricted.

CCI Neocrete 3 P facilitates concreting in cold weather conditions, eliminating the danger of frost and acts as an anti-freezing agent as well.

CCI Neocrete 3 P can be used for sealing joints in masonry or brick walls or cracks in buildings or industries, rocks, tunnels, through which there is water seepage.

Indicative Characteristics

Form	Powder
Test temperature	27 ± 2 °C
Specific gravity at 27°C	1.25 ± 0.03
Initial set	2 to 5 minutes
Final set	8 to 12 minutes (Using OPC)

Dosage

Optimum dosage can only be established after trials, taking into account the required mechanical performances. Rate of addition is generally in the range of 0.5% to 1.5% by weight of cement.

For leaking joints, rake out to a depth of about 2 cm to 3 cm. The sides of the joints should be cleaned of all mortar and roughened to provide a mechanical key for **CCI Neocrete 3 P** mortar. Here, the composition of this mortar will comprise **CCI Neocrete 3 P** and neat cement.

When this mortar shows signs of stiffening, it should be thrust into the joint with a trowel or by hand, ensuring that the complete gap is filled up. The work should be done in continuous lengths of 20 cm to 30 cm, according to the severity of the leakage, while keeping weep holes of 25 mm at certain intervals, through which the water that has already been accumulated can finally be allowed to escape.

When the whole joint is treated in this manner and the mortar has become absolutely hard, the weep holes should be plugged with neat cement and **CCI Neocrete 3 P** compound.

For rapid hardening mortar, the ratio of **CCI Neocrete 3 P** and water will be 1: 1. For rapid hardening of concrete, **CCI Neocrete 3 P** should be mixed with gauging water at a ratio of 1: 1 and added to the dry mix at last.

Packaging

20 kg bags.

Shelf Life & Storage

12 months from the date of manufacturing when stored in un-opened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Precautions

Care should be taken while mixing the concrete, as mixing **CCI Neocrete 3 P** will promote rapid stiffening and thus placement of the concrete should be done as quickly as possible, as there will be a rapid loss of workability. Otherwise, small quantities of concrete should be produced at a time.

Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

Registered Office	Regional Office	Chennai Plant	Mumbai Plant
Office No. 210 Shah Heritage Commercial CHS Plot No. 9, Sector 48, Seawood Navi Mumbai – 400 706 Maharashtra, India Mobile: +91 93247 27785 E-mail: kashinath.bera@ccichemicals.in	'LAKSHMAN MANERE' Old No. 17/2, New No. 42/2, R Block 6 th Main Road, Anna Nagar West Chennai – 600 040 Tamilnadu, India Mobile: +91 98400 73183 E-mail: durai.murugan@ccichemicals.in	No. 1, Perumal Koil Street Azhinjivakkam Sriperumpudhur Thiruvallur – 602 105 Tamilnadu, India	Plot No. A-51 Taloja Industrial Area MIDC, Taloja Navi Mumbai – 410 208 Maharashtra, India