

# BLUSKY™RAPID XEL 04

## Integral Quick Setting Compound for Cement Mortar and Concrete

### Description

**BLUSKY™RAPID XEL04** is a versatile liquid 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..

### Indicative Characteristics

Test Temperature	27 ± 2°C
Form	Liquid
Specific Gravity at 27°C	1.25 ± 0.03
Initial set	2 to 5 minutes
Final set	8 to 12 minutes (Using OPC)

### Domains of Application

- Extremely suitable for producing hard concrete in 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.

### 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 0.5-1.5 % by weight of cement.

For leaking joints, rake out to a depth of about 2 to 3 cm. This sides of the joints should be cleaned of all mortar and roughened to provide mechanical key for **BLUSKY™RAPID XEL04** mortar. Here, the composition of this mortar will comprise of **BLUSKY™RAPID XEL04** and neat cement. When this mortar shows signs of stiffening, it should be thrust into the joint with a trowel

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[www.bluskyspl.com](http://www.bluskyspl.com)

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or by hand, ensuring that the complete gap is filled up. The work should be done in continuous lengths of 20 to 30 cm according to the severity of the leakage, while keeping weep holes of 25 mm at certain intervals, through which the water which has already been accumulated, can finally 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 **BLUSKY™RAPID XEL04** compound. For Rapid hardening mortar, the ratio of **BLUSKY™RAPID XEL04** and water will be 1 part: 4 part. For rapid hardening of concrete, **BLUSKY™RAPID XEL04** should be mixed with gauging water (1 part: 2 part) and added to the dry mix at last.

### Advantages

**BLUSKY™RAPID XEL04** 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. **BLUSKY™RAPID XEL04** facilitates concreting in cold weather conditions, eliminating the danger of frost and acts as an anti-freezing agent also. **BLUSKY™RAPID XEL04** 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.

### Packing

20 kg bucket and 250 kg HDPE drum.

### 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



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### Precautions

Care should be taken while mixing the concrete, as mixing of **BLUSKY™RAPID XEL04** 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.  
The MSDS is available on [www.bluskyscpl.com](http://www.bluskyscpl.com)

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