

# PROCRETE HP20

High Range Accelerator  
Admixture PC Based



#### Description:

PROCRETE HP 20 a high range accelerator for use in concrete and cement mortar to give rapid strength development for early stripping of formwork and to help resist the effects of frost. Ideal for winter working.

#### Uses:

- In fast setting concrete
- To increase long term strength
- To get flexibility
- To get innovative construction concept
- In instant repair of concrete structure
- In high quality concrete production

#### Advantages:

- Ideal for stabilization of long haul concrete
- Enables earlier release from precast mould
- Earlier finishing of surface
- Reduction of hydraulic pressure in form
- More effective plugging of leaks against hydraulic pressure

#### Product Standard Compliance:

- IS 9103:1999
- BS 5075 Part 1
- ASTM C494/C494M, Type C

#### Company Standard Compliance:



#### Technical Information:

Properties	Specification
Appearance	Light Brown Color Liquid
Sp. Gravity	1.00 to 1.06 @25°C
pH Value (IS 9103:1999)	7 to 9
Chloride Content (IS 9103:1999)	Nil
Classification according to IS 9103 : 1999 (3.2)	Increases the rate of hydration of a hydraulic cement, shortens the time of set, or increases the rate of hardening or strength development.
Classification according to ASTM C494	Type-C
Compatibility with Cement	May be used with all types of Portland cements. Not suitable for use with high alumina cement

#### Application Procedure:

PROCRETE HP20 can be added into the mixing water or directly into the concrete mixture after 50-70% of the mixing water has been added. The addition of PROCRETE HP20 to dry aggregates or cement is not recommended.

To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

**Dosage Range:**

The optimum dosage of PROCRETE HP20 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 0.2 to 1.2 % of cement.

**Limitation:**

- Excessive water addition or overdosing may cause bleeding or segregation.
- If frozen / separation of the product has occurred, Redwop PROCRETE HP20 may be used after thawing slowly at room temperature and intensive mixing. Before application, suitability tests must be performed.

**Basis of Product Data:**

All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**Compatibility:**

PROCRETE HP20 may be combined with many other Redwop products. Trials must always be carried out before combining products in specific mixes. Contact Redwop Technical Services for additional information and any specific combinations.

**Packaging:**

PROCRETE HP20 is supplied in 220 kg drums.

**Storage & Shelf-Life:**

PROCRETE HP20 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2 °C to 50 °C. Should the temperature of the product fall outside this range then contact Redwop office for advice.

**Health & Safety:**

PROCRETE HP20 does not fall into the 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 refer the Safety Data sheet available for this product.

PRODUCT FOR PROFESSIONAL USE.




**Fire:**

PROCRETE HP20 is water based & non- flammable.

**Legal Notice:**

The information, and, in particular, the recommendations relating to the application and end-use of Redwop products, are given in good faith based on Redwop's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Redwop's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Redwop reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

	<p>It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.</p>
	<p>ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.</p>
	<p>ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.</p>
	<p>ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance</p>

	<p>This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.</p>
	<p>Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.</p>
	<p>ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.</p>

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