REDWOP PU 200

Semi rigid flexible Foam Polyurethane Injection Resin

Description:

REDWOP PU-200 is a hydrophobic polyurethane based foam resin used for injection into concrete structures exhibiting water seepages. It is a single component hydrophobic resin that reacts to form a closed cell, semi-rigid, non-corrosive foam when it comes in contact with water. It provides an extended working time to ensure complete penetrability into the elements being injected without premature foaming. It is used to stop water seepages through concrete structures such as basement retaining walls, water supply facilities, tanks, cooling towers, sewage treatment plants, lift/elevator wells, slab/raft construction joints. It is injected using appropriate high pressure injection equipment from the "negative side".

Uses:

- For permanent watertight sealing in concrete, brickworks and natural stones

Advntages:

- Non shrink grout
- Good penetration in to cracks
- Chemical resistance
- Long lasting
- Solvent free eco friendly

Company Standard Compliance:

Technical Information:

Properties	**Specification**
Appearance	Dark brown liquid
Viscosity in mpa.s @23°C	140
Density gm/cm³ @23°C	1.22 to 1.26
Volume Expansion	Up to 20 times (Resin : Water = 10 : 1) @ 25°C
Reaction Time	Up to 300 seconds. (depending on temperature)
Pot life	Up to 30 minutes. @ 230C (surface film that forms upon humidity contact to be discarded and not mixed in)
Application Temperature	> 5°C (substrate temperature during injection)

REDWOP PU 200 / Water	Start foaming time	End foaming time	End product
10:1	30 to 45 sec	480 to 600 sec	Semi rigid flexible foam

Application Procedure:

- Identify the area to be injected.
- Install injection packers of suitable diameter and length.
- Ensure injection packers are tightly installed to avoid packer failure during injection process.
- If required, seal packers using quick setting cement or epoxy based putty.
- Feed the resin into the pump and commence injection.
- Injection pressure shall be governed by the type of element, effective water head, packer spacing and other factors.
- For injection below raft slab, grade slab and retaining walls inject in intermittent batches and observe effect.
- Avoid large volume injections in short period.

Cleaning:

Clean all tools and equipment with cleaning agents immediately after use.

Coverage:

Coverage will depend on actual length, width and depth of crack.

Packaging:

REDWOP PU 200 is supplied in 10 kg container.

Storage & Shelf-life:

Minimum of 6 months shelf-life if kept under cool dry place under temperature 5 to 30°C.

Health & Safety:

Gloves and a barrier cream should be used when handling REDWOP PU 200. Should accidental skin contact occur, it must be removed, before it hardens, with a resin removing cream. Follow by washing with soap and water. Do not use solvent. The use of goggles is recommended. Should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical treatment immediately. Ensure good ventilation and do not smoke during use. For further information, refer the Safety Data sheet available for this product.

Indian Green Building Council

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.

CERTIFIED COMPANY ISO 45001:2018

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.

CERTIFIED COMPANY ISO 9001:2015

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.

CERTIFIED COMPANY ISO 14001:2015

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

GEV-EMICODE Very low emission Ec1 PLUS

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.

GREEN INNOVATION

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.

CERTIFIED COMPANY ISO/IEC 17025:2017

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.

Redwop
INNOVATING FOR A BETTER WORLD

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