



WSS WATER STOPPING STRIP

HYDROPHILIC SELF-SWELLING BUTYL SEALING STRIP FOR SEALING OF CONCRETE JOINTS BETWEEN CONCRETE POURINGS



FEATURES

1. Will absorb water and expand in volume by 1 to 1.5 times to fill up gaps and porosity to prevent water seepage. Withstands water pressure up to 1.5 MPa.
2. Has self-healing ability. Will continue to react with water to expand and fill up the gap in case of structural movement.
3. Has strong self-adhesive properties; will stay in position when concrete is being poured. Can be nailed in place before concrete pouring.
4. Inorganic material with anti-corrosive properties; will neither degrade nor be affected by temperature and humidity, and has a long service life.

APPLICATION METHOD

1. Ensure surfaces to be sealed are clean and intact. Remove loose sand and dust thoroughly.
2. **On horizontal surfaces**, just lay **WSS** in a continuous line without break. Mix **W1, W2 or W5** into a paste with cement and use it to bond **WSS** to the surface for faster drying time and better adhesion. Ensure adhesion before pouring concrete.
3. **On vertical surfaces**, lay **WSS** in the pre-cast channel and press. If no pre-cast channel was made in the first place, nail **WSS** into position. Mix **W1, W2 or W5** into a paste with cement and use it to bond **WSS** to the surface for faster drying time and better adhesion. Press it with a wax paper or plastic sheet to let it adhere firmly before pouring concrete.
4. If there is a need to further strengthen the positioning, do steel nailing every **1 metre in the horizontal position** and **1/2 metre in the vertical position**.
5. The final concrete should completely engulf and conceal **WSS**, and should not be exposed to render it ineffective. Concrete thickness should be at least greater than 5 cm.
6. During vibration, avoid touching and damaging **WSS**.
7. Before concrete pouring, protect **WSS** from rainwater.

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TECHNICAL DATA

- Colour: Red Rubber Strip
- Water Pressure Resistance: 1.5 MPa
- Expansion Rate: 7 days to reach 300 % expansion
- Specific Weight: 1.35 at 25°C
- Tensile Strength: ≥ 5 Mpa
- Elongation: 450%
- Low Temperature Bending: -20°C, 2 hours, no cracks
- Cold resistance: 30 Freeze-Thaw Cycles without peeling
-20°C x 2 hours
- High Temperature Test: Does not flow and peel at 150°C
80°C x 5 hours
- Low Temperature Test: Not brittle at -200°C
- Shelf Life: Unlimited

PACKING

Model	Dimension	Packing	Uses
WSS 1020 R	10 mm T x 20 mm W x 10 m L	7 rolls / carton	Concrete Pour
WSS 2025 R	20 mm T x 25 mm W x 5 m L	6 rolls / carton	Pipe & Metal Joints

Disclaimer:

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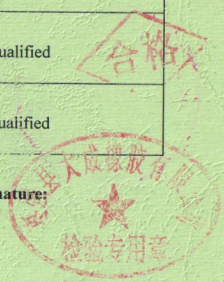
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Test Report

Product Name	Water Stop Strip (PZ Type)	Test Date	8 Mar,2021
Specification	20 x 25 mm	Production Batch	DC202103009
Test Result			
Test Item	Standard Requirements	Actual Measured Value	Conclusion
Maximum Expansion Rate	≥ 260	350	Qualified
Heat Resistance	80°C,2h No Flow	No Flow	Qualified
Low Temperature Flexibility	-20°C,2h No Crack	No Crack	Qualified

Test Signature: 

Audit Signature: 

Approved Signature: 

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