



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.



WARRIOR PTE LTD

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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



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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℃,2h No Flow	No Flow	Qualified
Low Temperature Flexibility	-20℃,2h No Crack	No Crack	Qualified

Test Signature: 

Audit Signature: 83

Approved Signature: 

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