TECHNICAL DATA SHEET

DUSWELL HP

Hydrophilic Rubber Waterstop.

DUSWELL HP is made of high-performance modified rubber strips. Interaction between water and hydrophilic groups which are part of the **DUSWELL HP** molecular structure results in swelling of rubber strips. When in contact with water **DUSWELL HP** reacts and swells up to 300% of its original dimension to form a compression seal.

FEATURES:

- Easy & Secure Application.
- Simple jointing techniques.
- Excellent elastic properties.
- Does not need hardening time.
- Sustain effective seal in wet conditions.
- Permanent water resistance, no leaching.
- Non-polluting, ecological and user-friendly system.
- Remains unaffected by long term wet/dry cycling.
- Maintains actual shape after repeated expansionand contraction.
- Slow expansion rate to prevent damage to freshlyplaced concrete during curing.

USES:

DUSWELL HP water bar is primarily used to seal concrete construction joints, foundation wall slabs,precast wall panels, slabs –on-grade, manholes, pipe& steel work penetration through wall&slabs,construction joints in tunnel segments, box culverts and potable water structure etc. **DUSWELL HP** is recommended in low movement construction joints.

INSTALLATION:

When the substrate is uneven, **DUSWELL HP** can be fastened in place using masonry nails at approx.300mm center. Care should be taken to ensure that the substrate has sufficient strength to enable mechanical fixing to be securely driven without damaging the **DUSWELL HP.** Alternatively, a groove can be cast in to concrete to facilitate application.**DUSWELL HP** for use in most weather conditionsbut heavy rain and prolonged immersion will causepremature swelling. Should this occur, it will be necessary to allow it to dry out or be dried with a hot air gun before concrete pouring takes place.

can be poured or pumped to repair area to fill the holes at the required level.

PACKING, STORAGE:
10 LM / Roll (20mm X 10mm)

Store in a clean dry area protected from direct sunlight and extreme heat and cold

TECHNICAL DATA:

Properties	Values
Color	Blue
Shore A Hardness	40 – 50
Tensile Strength	20 Kg/cm^2
Elongation	>450 %
Expansion Volume rate	>300 %
Service Temperature	-30 °C to 50 °C

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