



Duraswell AC is the ultimate solution for waterproofing concrete construction joints.

Duraswell AC used instead of conventional swelling waterstops, or as part of the Drylex Waterstop System (DWS).

Through its unique synthetic rubber technology, Duraswell AC swells up to 4 times more than ordinary rubber or bentonite swelling waterstops, and produces enough swelling pressure to withstand extreme hydrostatic pressure - even when exposed to salt water or when used in chloride or sulfate contaminated soils.

Despite its extraordinary swelling ability, Duraswell AC is specially engineered so that swelling action occurs after concrete has gained sufficient strength. This controlled swelling eliminates the risk of cracks or voids in the concrete that may occur if swelling was uncontrolled.

Duraswell AC is easy to install and its innovative trapezoid shape resists dislodgement during concrete or shotcrete installation. Its unique shape also allows better consolidation of the concrete around the waterstop, while the bright red color makes for easy inspection.

Duraswell AC provides confidence that your projects jointing system will be waterproof for the life of the concrete.

FIELDS OF APPLICATION

- Duraswell AC can be used on swimming pools, tunnels, subways, retaining walls, curtain walls,
- Water tanks, sewage systems, water purification facilities,
- Underground pipe and cable inlets,
- Concrete joints, barrage, road and intersections of old and new concretes.

FEATURES AND BENEFITS

- Easy to apply.
- Easy application even with huge amount of rebar.
- Connecting seams require only putting together side by side and pressing.
- The swelling occurs in a controlled.
- Does not swollen suddenly cast in concrete.
- Safely used in water tanks.

TECHNICAL DATA

Content Volume Change (DIN 53521)	Sodium bentonite/butyl rubber based >100% after 7 days in water >150% after 14 days in water >100% after 10 times dry/wet cycle (1 cycle : 7 days dry and 7 days water)
Swelling Pressure	>15 bar (after 7 days in water)
Shore A Hardness (DIN 53505)	35
Elongation at Break (DIN 53504)	>400%

Application Procedure

Preparation of Substrate The surface must be clean and dry. It must not be applied to wet, frozen, greasy or dusty surfaces, and under wet weather conditions. Duraswell AC should be protected from humidity and rain before the application.

Application Method Roll out required amount of Duraswell AC. Firmly press the entire length of it onto concrete. In vertical and overhead applications, press for at least 15 seconds for perfect adherence. Fix the material with steel nail for 15 cm. covers all parts of the surface, especially for surfaces which are not perfect in shape. Remove silicon paper and pour concrete carefully and indirectly.





DRYLEX
New Generation Solutions

DURASELL AC

TECHNICAL DATA SHEET

CONSUMPTION

Depends on application areas.

PACKAGING

5 mm x 20 mm

7 mm x 20 mm

10 mm x 20 mm

20 mm x 25 mm

SHELF LIFE

24 months in original, unopened package.

STORAGE

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

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by agel chemicals

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