



ARDEX DRS 10 GC

Prefabricated Draining Protection Membrane

Cusped HDPE drainage and protection membrane for use in below-grade applications

Provides effective protection of the waterproofing membrane

Provides effective drainage of sub-surface water

Excellent compressive strength

High resistance to concrete alkali

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DESCRIPTION

ARDEX DRS 10 GC is a cusped HDPE sheet with a geotextile layer that provides effective drainage and protection against backfill. ARDEX DRS 10 GC provides excellent protection and drainage capabilities and a high compressive strength to resist heavy pressure loads.

The geotextile layer of ARDEX DRS 10 GC effectively protects against backfill materials while allowing water to migrate into the core channel providing consistent ventilation and hydrostatic relief.

USES

ARDEX DRS 10 GC is used as a protection and drainage membrane against waterproofed below-grade structures such as basement foundations, retaining walls, planters and bridge abutments.

SURFACE PREPARATION

Ensure the ARDEX waterproofing membrane is installed in accordance with the appropriate product datasheet. Ensure that any damage or sources of damage are repaired or removed.

Ensure that the waterproofing membrane, footing and surrounding areas are cleared of any debris, dust or dirt.

INSTALLATION

Mark out around the structure where the estimated final grade of the backfill will reach. Starting near the centre of the structure, unroll ARDEX DRS 10 GC with the geotextile facing toward the backfill. Ensure that the membrane is taught and spot fix in place with dabs of ARDEX Bituminous Sealant against the underlying membrane.

Merge adjoining sheets by overlapping them 200 to 300mm and interlocking the cusped dimples. Fix the geotextile overhang by securing with a canvas tape.

Any penetrations should be detailed by cutting the ARDEX DRS 10 GC vertically so that the cut extends 150mm past the penetration, and trimming around so that it fits as tightly as possible. If possible, install adjoining sheets so that there is a 150mm overlap on the penetration.

STORAGE

ARDEX DRS 10 GC has an indefinite shelf life when stored in good conditions, between 5°C and 30°C. Store rolls horizontally in dry conditions out of direct sunlight. Store away from sources of puncture and physical damage. Store away from ignition sources and open flame.

COVERAGE

ARDEX DRS 10 GC comes in a roll of 40m².

The actual coverage achieved in practice is affected by installation technique, specifics of building design, and substrate differences.

PACKAGING

ARDEX DRS 10 GC is packaged in rolls of 20m x 2m x 10mm weighing approximately 31kg.

PRECAUTIONS

ARDEX DRS 10 GC is non-hazardous in normal usage, however good hygiene practices should be followed. For the latest technical or health and safety information on this product, consult the current product data sheet online at: www.ardex.co.nz

Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage.

ARDEX DRS 10 GC must be protected from UV and should not left exposed for longer than 28 days.

Toll Free Technical Services:
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TECHNICAL DATA

CHARACTERISTICS	UNITS	NOMINAL VALUE	Note
Material/Wall thickness	mm	0.6	
Dimple Height	mm	8	
Total Weight	g/ m ²	610	
No. of dimples	pcs/ m ²	1860	
Resistance to compression	KN/m ² (t/m ²)	230 (23)	
Fleece Permeability	L/m ² /sec (approx.)	110	
Air volume between dimples	L/m ²	5.5	
Drainage Capacity	L/sec/m	4.6	
Thermal Stability	°C	-40 to +80	Protect from UV rays
Combustion Class		F-DM 15/03/05	
Dimensional Tolerances			±4%