

TECHNICAL DATA SHEET

DESCRIPTION

Nuraswell is a one component polyurethane water-swelling (hydrophilic waterstop) sealant with excellent and unique physical properties. It can be applied to places such as joints in concrete, in civil engineering construction and water services for seals where conventional seals cannot be applied easily. After hardening, it has excellent physical properties together with rubberlike elasticity and water sealing properties.

TECHNICAL SPECIFICATIONS

Technical Specifications	Unit of Measurement	Nominal Value
Cartridge	ml	320
Colour		Grey
Hydrophilic expansion (Distilled water)	%	140 (40 hours immersion)
Hydrophilic expansion (1% Cement)	%	150 (40 hours immersion)
Hydrophilic expansion (3% Salt water)	%	110 (40 hours immersion)
Tack Free	hours	<8
Slump	mm/1hour	0.5
Hydrostatic pressure head	bar	2 (20 metres)

Expansion rate can vary in salt or contaminated water.

AREA OF USE

Nuraswell is to be used where watertight integrity is the prime issue. Typical applications where there is a need to achieve a water seal include: -

- Sewage treatments plants
- Waste treatment plants
- Reservoirs
- Water tanks
- Swimming pools
- Tunnels
- Subway stations
- Basements
- Pits
- Pipe penetrations

SURFACE PREPERATION

Before commencement, the user should ensure that the receiving surfaces are sound and capable of accepting the product. Material and/or substrates should be checked for compatibility and if necessary, assessed by a competent person to ascertain their suitability.

APPLICATION

Break the moisture-proof aluminium foil on the top of the cartridge and remove the metal cover seamer from the bottom.

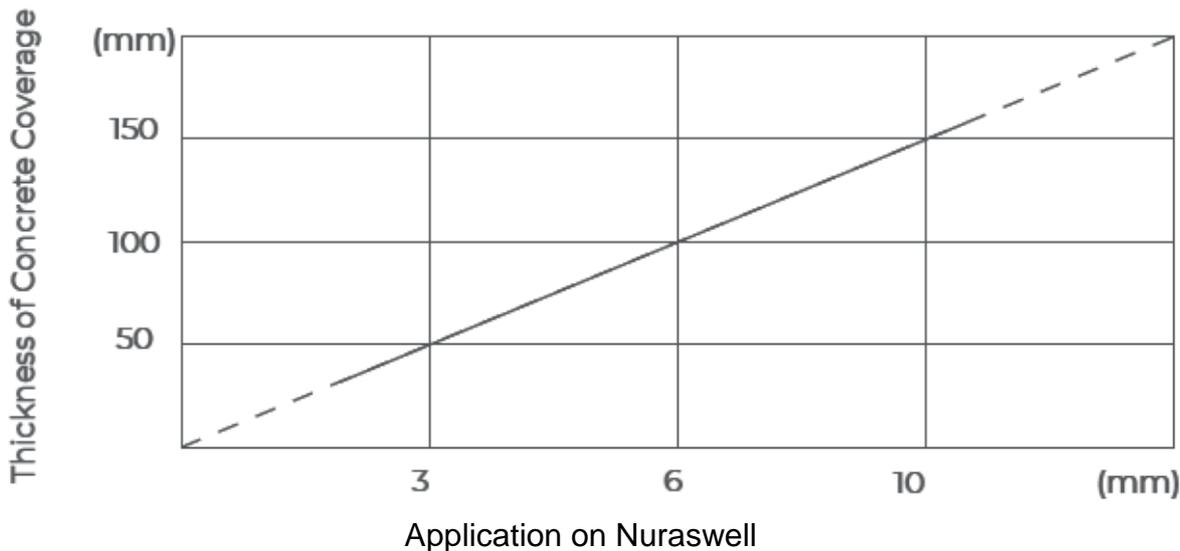
Cut the nozzle diagonally in 2 opposite directions at the required appropriate position to achieve desired amount.

Set the cartridge to caulking gun.

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Apply Nuraswell continuously without a break to the location to be sealed.
Application diameter of Nuraswell to be at a size suitable to prevent water egress.

Nozzle Diameter	Unit of Measurement	Length of run (approx.)
3mm	m	20
6mm	m	10
8mm	m	4.5
10mm	m	3



Minimum cover to Nuraswell installed application from any outside edge. Refer to chart above.

Do not apply as an external or surface position like a traditional sealant. Product must be fully encased by concrete.

Do not leave exposed to water for longer than 12 hours prior to second concrete pour being placed.

Allow to cure (harden) prior to pouring next concrete pour.

Use open cartridges within 24 hours after opening.

COMPOSITION

Polyurethane

SAFETY, STORAGE & HANDLING INFORMATION

Do not stack pallets.

Store indoors.

Shelf life. 12 months

Store away from heat / moisture / strong oxidizing agents.

For these products, the best available information on safe handling, storage, personal protection, health, and environmental considerations has been gathered. SDS (Safety Data Sheet) are available [here](#) and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the SDS before use.

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TRANSPORT CLASSIFICATION

N/A

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.