

Water Supply and Sewerage Approved Products Manual - February 2006

Water Supply – Miscellaneous Products

Section WO 06

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WO 06-S1 CEMENTITIOUS BASED WATER PROOFING PRODUCT

Specification under review

WO 06-S2 FLEXIBLE PIPELINE SYSTEMS

Specification under review

WO 06-S3 EPOXY FOR REPAIR OF CONCRETE FLOORS & COLUMNS

STANDARD	None
DESIGN	<p>Epoxy jointing and repair materials are:</p> <ul style="list-style-type: none"> ▪ To be viscous to provide gap filling properties. ▪ To be non-sag. ▪ To achieve adhesion and curing under damp conditions. ▪ To have a setting time (pot time) to allow application completely to the joint and assembly before setting under the range of ambient temperatures and humidity experienced in tropical and central Australia arid zones. ▪ To have sufficient flexibility to retain a seal under external loads ▪ To retain seal and strength under wet or immersed conditions ▪ To have long storage (shelf) life under high ambient temperature tropical and arid conditions ▪ To have the two mixing parts in pre-measured packaging to ensure correct mixing ratios ▪ To be able to mix and blend the two parts easily ▪ To be termite resistant. ▪ To be resistant to aggressive ground waters found in sandy soils, which may be saline with resistivity < 10Ω.m or having sulphates > 6000 ppm ▪ To be suitable for use with potable water – Satisfy the requirements of AS 4020
MATERIALS	Two-part epoxy paste comprising epoxy resin and carbonate free filler
CONTAINER MARKING	<p>Manufacturer's name Net mass or volume Date of manufacture Recommended storage life Instructions for storage and use A statement on any toxic vapour or flammability hazards associated with the epoxy material The statement " No additives of any kind shall be mixed with this epoxy." (as applicable)</p>
STORAGE	Store in a cool dry place

CEMENTITIOUS BASED WATER PROOFING
PRODUCT



Size (kg)	Xypex Admix C-1000NF ¹	Xypex Admix C-1000NF ¹	Xypex Concentrate ²	Xypex Modified ²	Xypex Patch 'n Plug ³
3	✓ ⁴	✓ ⁴			
4			✓		✓
10			✓		✓
14.5	✓	✓			
20	✓	✓	✓	✓	✓

NOTES

1. For addition to concrete at time of batching
2. Suitable for brush or spray application to fully cured concrete
3. Suitable for use as a stiff putty for plugging cracks and holes in cured concrete
4. Soluble powder

FLEXIBLE PIPELINE SYSTEMS

Nominal Size DN	Angus	
	Wellmaster 120	Wellmaster 200
50	I	I
80	I	I
100	I	I
125		I
150		I

I = Interim Approval

EPOXIES FOR REPAIR OF CONCRETE
FLOORS & COLUMNS



Size (kit)	Vivacity (Megapoxy P1)
4L	✓
20L	✓

NOTES

1. Shelf life limited to 2 years