



OPR2



Aquacrete OPR2 is a premium rated product. OPR2 has been designed and tested to be able to withstand 2-psi, 5-psi, 20-psi, 50-psi and up to 73.9 explosion-induced over pressures. By incorporating various modifications to the production process Aquacrete has been successful in producing this premium product.

APPLICATIONS

Ventilation Stops—Explosion rated for 2-psi and 5-psi

Ventilation Seals—Explosion rated for 20-psi and 50-psi

Ventilation Walls

Ventilation Bulkheads

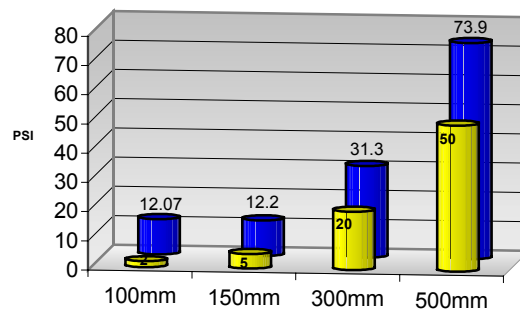
Paste Fill Bulkheads



PERFORMANCE DATA

AQUACRETE OPR2 OVER PRESSURE TEST RESULTS

Aquacrete OPR2 Over Pressure Test Results



	100mm	150mm	300mm	500mm
■ PSI Required for Rating	2	5	20	50
■ PSI Aquacrete OPR2 Tested to	12.07	12.2	31.3	73.9

Over Pressure Test Results were obtained from underground trials conducted in 1998 by the internationally recognised company Blastronics. Full copies of test results are available upon request.



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STRENGTH PROPERTIES OF AQUACRETE (7 DAYS FROM SPRAYING)

TEST	CONFINING PRESSURE	RESULTS	
		PEAK	RESIDUAL
UCS	0 MPa	13 MPa	-
TRIAXIAL	0.5 MPa	13.7 MPa	4.7 MPa
TRIAXIAL	1.0 MPa	16.6 MPa	9.8 MPa
TRIAXIAL	1.5 MPa	19.8 MPa	11.5 MPa
POISON'S RATIO	-	0.23	-
YOUNG'S MODULUS	-	12 GPa	-

SUMMARY ON TEST OF METHANE DIFFUSIVITY THROUGH OPR2

CORE LENGTH	DIFFUSIVITY K AT PRESSURE DIFFERENTIAL 6psi, 15 ^o C	
M/m	CORE—L/s	RELATIVE 15M2, L/s
50	0.0045	9.45 + -0.18
100	0.0023	4.87 = 0.12
190	0.0017	3.60 + -0.08
270	0.0009	1.97 + -0.08

PACKAGING

Aquacrete OPR2 is available in two different types of packaging

- One Tonne Bulklers—Water proof lining
- 1.5 tonne pallets of 20kg paper bags—plastic wrapped

STORAGE

Aquacrete OPR2 should be stored undercover in dry conditions and treated in a similar manner to cements.

HEALTH AND SAFETY

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