

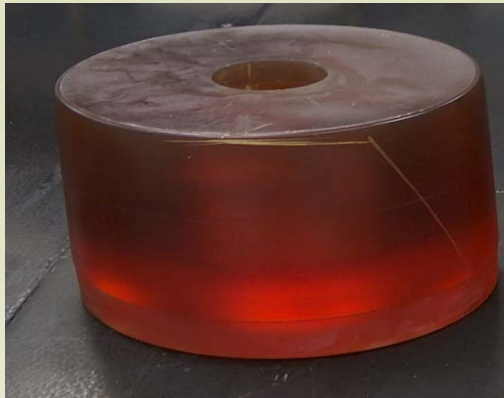
ULTRA SEAL® R (RESIN)

M&D Industries of Louisiana, Inc.

Ultra Seal® R Sealant is a special epoxy resin tailored for oil well applications. The material's viscosity has been lowered to provide easy mixing and placement. The lowered viscosity is accomplished without associated volumetric shrinkage usually accompanying thinning of epoxy resin. A range of hardeners and accelerators have been developed to allow set control over a wide application range.

INNOVATIVE SOLUTIONS FOR:

**MICRO ANNULAR GAS MIGRATION
MECHANICAL ISOLATION VALVE
CASING LEAKS
WELL BORE STABILITY
LOSS CIRCULATION**



Special points of interest:

- **NON-SHRINKING**
- **NO PROBLEM DRILLING/MILLING**
- **FUNCTIONS AT LOW TEMP'S**
- **STABLE UP TO 205 DEGREES CELCIUS**
- **OVER 1,650 PSI/11,376 kPa SHEAR BOND.**
- **OVER 200 TIMES THE TENSIL STRENGTH OF CEMENT**
- **IMPERMEABLE TO GAS**
- **ULTIMATE COMPRESSIVE STRENGTH OF OVER 7,000 PSI/48,376 kPa**

Rheology Measurements at 22°C

Rpm	Dial Reading
300	252
200	158
100	80
60	48
30	24
6	4
3	2

PV	241 cp
YP	1.2 lb _f /100 ft ²

72-hr Shear Bond Strength 1500 psi

PATENT PENDING

For more information: 337-984-0471

