

ADVANCED-TEC MATERIALS, LLC

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PIPELINE SAFETY & SUPPORT TECHNOLOGIES

OUR BUSINESS IS OUR TECHNOLOGY:

PolyCeramic™

Ground Foam Compounds

ATM provides polyurethane based foam compounds that are:

Green and Fire Retardant with outstanding **Insulating and Structural** properties utilizing refined coal combustion by-products.

FOR:

Soil Stabilization

Pipeline coating

Trench breakers

Intellectual Property

PATENTS

Full patent application 13/181,606 filed July 2011 covering formulations of foam compounds, amended to include pipeline applications in all industries

TRADE SECRETS

Additional formulations and processes are trade secrets



ATM PRODUCTS ARE IDEALLY SUITED FOR KEYHOLE TECHNOLOGIES



Product Innovations

- Use of **clean, processed**, refined coal combustion by-products
- Use of a **green** polyol from plant oils
- **Fire** retardant
- **Non-toxic** emissions and no off-gassing
- Modified formulations to suit applications



ATM FOAM ATTRIBUTE

SPEED



SETS WITHIN SECONDS

ATM FOAM ATTRIBUTE

STRENGTH



**STRUCTURAL INTEGRITY UP
TO 6,000lbs!**



Gas Field Applications



- Soil stabilization and grouting of steel piers
- Erosion control trench breakers
- Rock shield for pipeline
 - Compression tested: 300 psi and 6500 lbs. maximum strain

ADDED CHALLENGES MET BY ATM

- Spraying compounds containing solids through standard spray guns
 - Formulation custom blended
- Applications in locations inaccessible by truck
 - Hand pour bucket kits available



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Cost Effective Alternative to:

- Labor intensive concrete
- Sand bags
- Hand applied blanket wraps
- Two person crew can spray grout piers in minutes



Summary

- Unique patent pending technology
- Formulations in-place and tested in the field
- Cost effective
- Replaces concrete, sand bags and rock shield blankets
- Suppliers secured





Advanced-Tec Materials LLC

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