

AMC ROTAFOAM CONC™

FOAMING AGENTS & DETERGENTS



Description

AMC ROTAFOAM CONC™ is a highly concentrated foam which has been formulated for use in mineral and water well drilling applications.

Application

AMC ROTAFOAM CONC™ may be used in a variety of air drilling applications from simple rotary air to reverse circulation drilling. AMC ROTAFOAM CONC™ produces high volumes of foam exhibiting greater bubble strength with superior retention. The combination of these characteristics effectively lowers the air volumes required and significantly improves cuttings transportation. AMC ROTAFOAM CONC™ can assist in regaining returns in highly cavernous states and through the improved retention values will better control water inflows. AMC ROTAFOAM CONC™ can be used for dust suppression, mist and foam drilling or combined with select polymers and bentonites. When used correctly AMC ROTAFOAM CONC™ can assist with hole stability, reduce the stickiness of clays and shales and problems associated with mud rings and bit balling.

Typical Physical Properties

Appearance:	Light brown liquid
Solubility:	Soluble in water
pH:	8.0 – 10.5

Recommended Treatment

Dust Suppression

AMC ROTAFOAM CONC™ should be mixed with water at 0.2 – 0.3% by volume and injected into the air stream.

Mist Drilling

AMC ROTAFOAM CONC™ can be used as a misting agent at 0.1 – 0.5% by volume injection water.

Air Drilling

If water flow rates are high and compressor limits are reached, up to 1.0 – 2.0% by volume of AMC ROTAFOAM CONC™.

Advantages

- Increases the hole cleaning capability of the air stream
- Used for drilling in zones of extreme loss or circulation
- Lowers the compressor requirements for a given depth or water influx
- Reduces the sticking tendencies from clays, thereby reducing mud rings and pack offs
- Suppresses dust while dry air drilling
- Permits the recovery of larger cuttings.

Stiff Foam Drilling

Stiff foam applications include areas of severe lost circulation, large diameter holes and unconsolidated formations. Stiff foam can be prepared by injecting the base slurry of 35 – 45 seconds per litre viscosity fluid prepared as follows:

Add AMC LIQUI POL™ at 1 – 2 kg / m³ (0.35 – 0.7 lb / bbl) or AMC EZEE PAC R™ at 2 – 4 kg / m³ (0.7 – 1.4 lb / bbl) to AMC ROTAFOAM CONC™ at 10 – 15 L / m³ (3.5 – 5.5 lb / bbl)

The rate of injection will depend on hole size, compressor output and water flow rate etc.

When injected into the air stream, this slurry will produce stiff foam of shaving cream consistency.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

ASIA PACIFIC

Perth, Australia (Head Office)

T +61 8 9445 4000

E amc@imdexlimited.com

Indonesia

T +62 (0) 21 759 11244

AFRICA

South Africa

T +27 (11) 908 5595

EUROPE

Germany

T +49 4402 6950-0

United Kingdom

T +44 (0) 1273 405 975

SOUTH AMERICA

Argentina

T +54 (9) 261 426 1116

Brazil

T +55 (47) 3404 5920

Chile

T +56 (2) 2589 9300

Peru

T +51 (1) 322 8850

NORTH AMERICA

USA / Canada

T +801-364-0233

Mexico

T +52 (871) 169 2095