

AMC CORVIS™

CLAY & SHALE STABILISERS



Description

AMC CORVIS™ is a high molecular weight, powdered polymer which has been developed to improve core recovery, particularly in clays and shales and highly fractured formations. It provides cuttings encapsulation as well as helping to stabilise the formation. AMC CORVIS™ forms a protective polymer film on the drill pipe and bit as well as on the walls of the bore hole which helps to provide lubrication when diamond drilling in troublesome formations.

Application

AMC CORVIS™ provides cuttings encapsulation and improved wellbore stability in a variety of drilling fluids. Typical concentrations range from 0.5 – 3kg / m³ (0.175 – 1lb / bbl). It can be used as a single product, low solids mud system, or it can be combined with AMC GEL™ or AMC TROL™ to form a more robust mud system. It can also be used on its own or with other clay and shale stabilizers such as potassium chloride or AMC SHALEHIB ULTRA™ to give a high degree of clay or shale stabilisation, although higher concentrations may be required to maintain viscosity.

Typical Physical Properties

Appearance: White free flowing granules
 Bulk density: 700g / L
 Solubility: Soluble in water
 pH (0.5% solution): 7 – 8

Recommended Treatment

APPLICATION	KG / M ³	LB / BBL
Add to fresh water under normal drilling conditions	0.5 – 0.75	0.18 – 0.26
To stabilize swelling clays and shales	0.5 – 1.0	0.18 – 0.35
To improve core recovery in troublesome formations and to increase hole stability	1.0 – 3.0	0.35 – 1.0

Advantages

- Helps prevent dispersion and swelling of shales and clays
- Promotes more effective removal of solids
- Promotes rapid settling of cuttings in settling pits
- Improves lubricity
- Compatible with other polymers commonly used in water based fluids such as AMC XAN BORE™ and AMC PAC™
- Will not wash off AMC ROD GREASE XTRA TACKY™
- Economical
- Environmentally acceptable.

Limitations

- Sensitive to hardness – make up water should be treated for hardness with soda ash ensuring hardness of less than 200mg / L.
- Tends to blind the screens on shakers limiting its use for general drilling applications with SCU's

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