

# AMC CR 650™

Viscosifier



## Description

CR 650™ is a powdered polymer which provides a solids free, high viscosity fluid in fresh water. The viscosity CR 650™ provides helps to reduce rod chatter which aids in reducing friction. It also provides encapsulation which can aid stabilizing broken ground while also improving core recovery.

## Application

CR 650™ is applied at very low dosages and is rapid yielding but due to its loss of viscosity when exposed to high shear environments it is best suited to single pass applications such as those often seen underground. Typical concentrations range from 0.5 – 2.5kg / m<sup>3</sup>. It can be used as a single product, low solids mud system, or it can be combined with products like AMC GEL™ to form a more robust mud system.

## Recommended Treatment

Application	kg/m <sup>3</sup>
Add to fresh water under normal drilling conditions	0.5 – 0.75
To improve core recovery in troublesome formations and to increase hole stability	1.0 – 2.5

## 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 SRU's

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

## Advantages

- Reduces rod chatter
- Allows for effective removal of solids in settling pits
- Compatible with other polymers commonly used in water-based fluids
- Economical – high viscosity at low concentrations
- Environmentally acceptable – non-hazardous, non-toxic

## Typical Physical Properties

Appearance:	White, free flowing granules
Solubility:	Soluble in water
pH (0.5 % solution):	7 – 8

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