



# TKF POLYRICH

Polymer fortified EPB foam for granular, consolidated, and wet conditions

## Background

TKF POLYRICH meets the challenges of both rocky and clay-poor TBM face in closed mode.

Like all our EPB products, TKF POLYRICH is carefully designed to optimise muck flow properties for best advance rate and excellent EPB pressure control.

## Specific benefits

- ◆ Helps to create plastic flow conditions in the absence of natural clay lubrication.
- ◆ Reduces cutterhead wear.
- ◆ Reduces torque by improving muck lubrication within the cutterhead and plenum.
- ◆ Eases feed to screw.
- ◆ Plasticises self levelling sludge.
- ◆ Curbs water flow.
- ◆ Creates very stable, viscous foam.

## Packaging

1000 litre IBC's; 25 litre kegs

## Physical characteristics

Viscous, translucent, glycolly odour, bright yellow colour.

## Health and Safety/ Environmental Protection

Please refer to MSDS (Material Safety Data Sheet) before using TKF POLYRICH.

## Treatment and FIR/FER

### PREPARATION OF FOAM SOLUTION

The recommended formulation per cubic metre of foam solution (i.e. product + water) for TKF POLYRICH in normal circumstances is 2 to 5 per cent. In very demanding conditions, this can be increased.

### ADDITIVE DOSAGE

Recommended treatment rate using the above TKF POLYRICH formula in most instances is 100 to 160 litres per cubic metre of in-situ soil.

### FIR/FER

All Morrison EPB products can be applied at any desired "Foam Injection Rate" and "Foam Expansion Rate". To find the corresponding FIR/FER for the above recommendations, consult the table overleaf.

## Availability

We supply worldwide.

*For further guidance, and specific recommendations and costings for your project, kindly contact:*  
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Version 2

**TKF**  
**PolyRich**<sup>GD</sup>