



HYBRID CHEMICAL  
TECHNOLOGIES

# INSTANT BORATE CROSSLINKER

## HBX-100

HBX-100 is an instantaneous, self-buffering borate-based crosslinker solution. This product is formulated for use with guar and HPG systems over a large temperature range and optimized for excellent stability in fresh and produced water.

## **ADVANTAGES**

- Crosslink is instantaneous.
- Robust and designed to work in varied water environments.
- Formulated for compatibility in high pH environments.
- Self-buffering, single-additive solution.
- Compatible with most other fracturing additives.
- Application temperature range of 20 – 120°C.

## **TREATMENT**

HBX-100 typical dosage for oilfield fracturing fluids is 1.0 – 2.0 L/m<sup>3</sup> of product. Specific loadings are dependent on water chemistry, gel concentration and anticipated BHT.

## **PRODUCT HANDLING**

Read the SDS carefully and completely prior to handling this product. Proper PPE should always be used.

# PHYSICAL DATA

<b>STATE</b>	Liquid	<b>SG</b>	1.35
<b>COLOUR</b>	Colourless	<b>pH</b>	>13
<b>ODOUR</b>	Mild	<b>FREEZE</b>	-20°C

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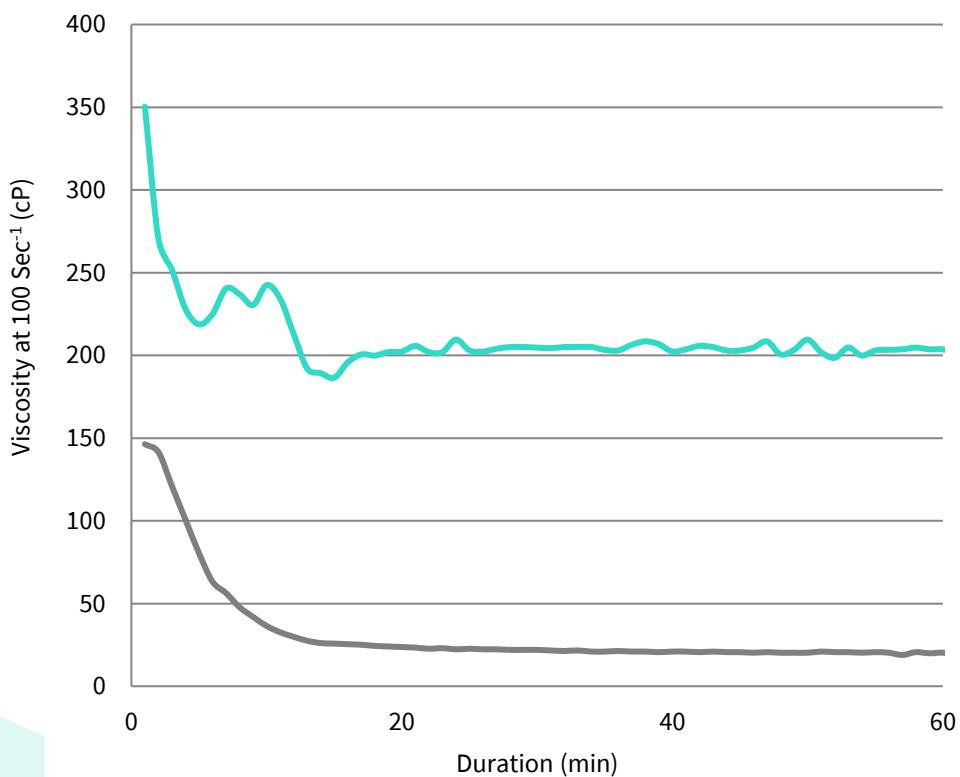
HBX-100



Alternative



20# Guar, Crosslinked Borate Stability in  
Produced Water Tested at 30°C  
(2.0 L/m<sup>3</sup> Loading)



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