



## DESCRIPTION

PARQUENCH 60-XCR is a water solution of an organic polymer with a non-nitrite containing multi-metal corrosion inhibitor. It's low foaming and contains a formaldehyde free biocide. The polymer has normal solubility. Consequently, the temperature of use is only limited by the boiling point of water. During quenching in PARQUENCH 60XCR solution, the polymer deposits on the surface of the hot metal, thus controlling the heat transfer from the metal to the quenchant. The concentration, temperature, degree of agitation and the time of quenching in the PARQUENCH 60-XCR solution will determine the manner and rate of the quenching process.

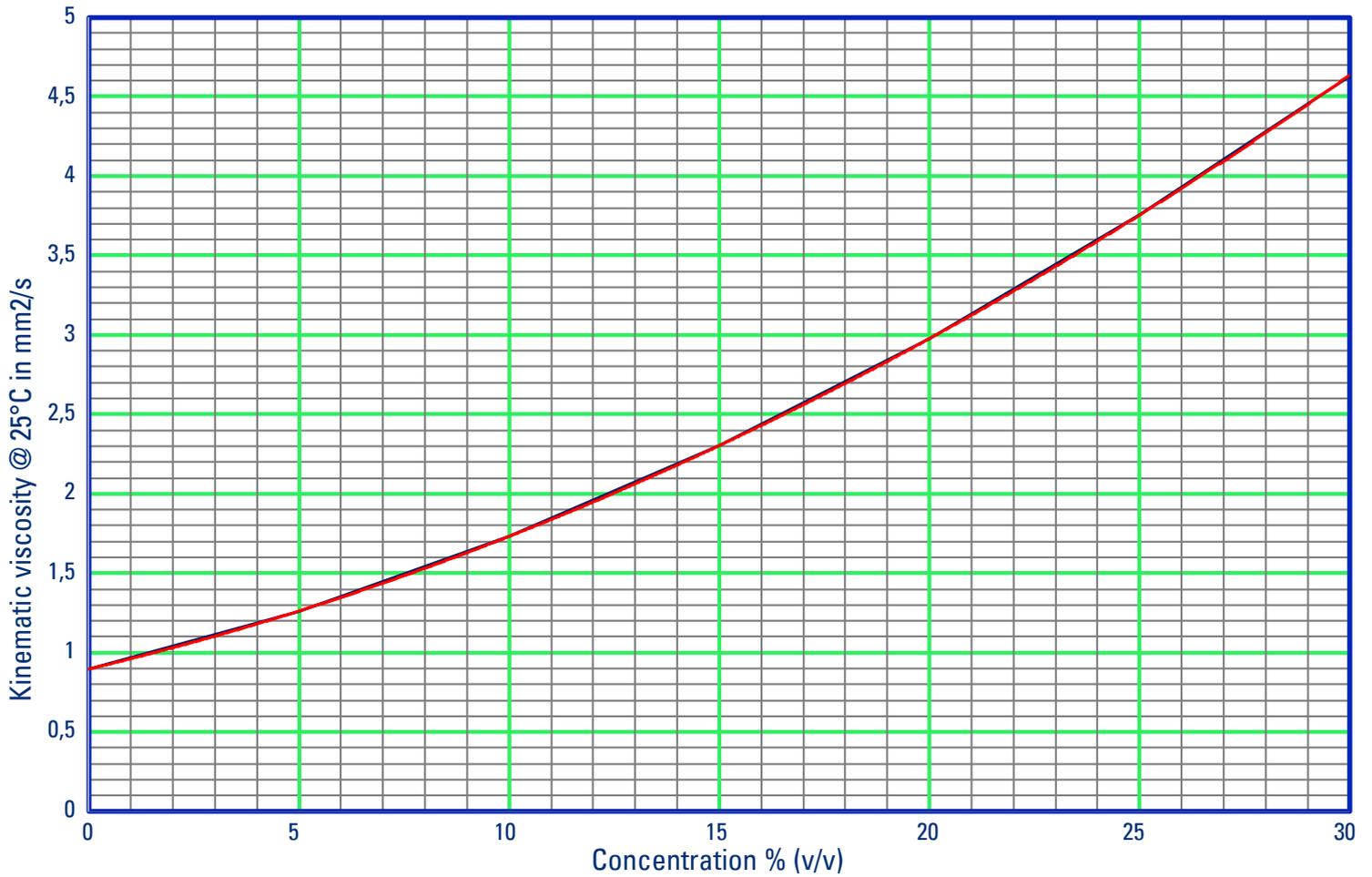
- OPERATING CONCENTRATION RANGE: 1 – 30% (by volume).
- MIX PREPARATION: Add the right amount of product into the tank already filled with water and agitate until a homogeneous mixture is obtained in the entire mix tank.
- OPERATING TEMPERATURE RANGE: ambient - 90°C
- OPERATING TIME: As required for appropriate metallurgical transformation
- OPERATING EQUIPMENT:  
All equipment for PARQUENCH 60-XCR baths may be constructed of mild steel.
- AGITATION SPEED/VELOCITY: > 0,5 m/s

## TYPICAL CHARACTERISTICS:

Test	Methods	Units	Grade
Appearance			Clear liquid
Density @ 20°C	ASTM D1298	Kg/m3	1033
pH	ASTM E70		10,5
pH (15% sol.)	ASTM E70		10,4
Kinematic Viscosity @ 20°C	ASTM D445	mm2/s	45
Refractometer factor			4,7

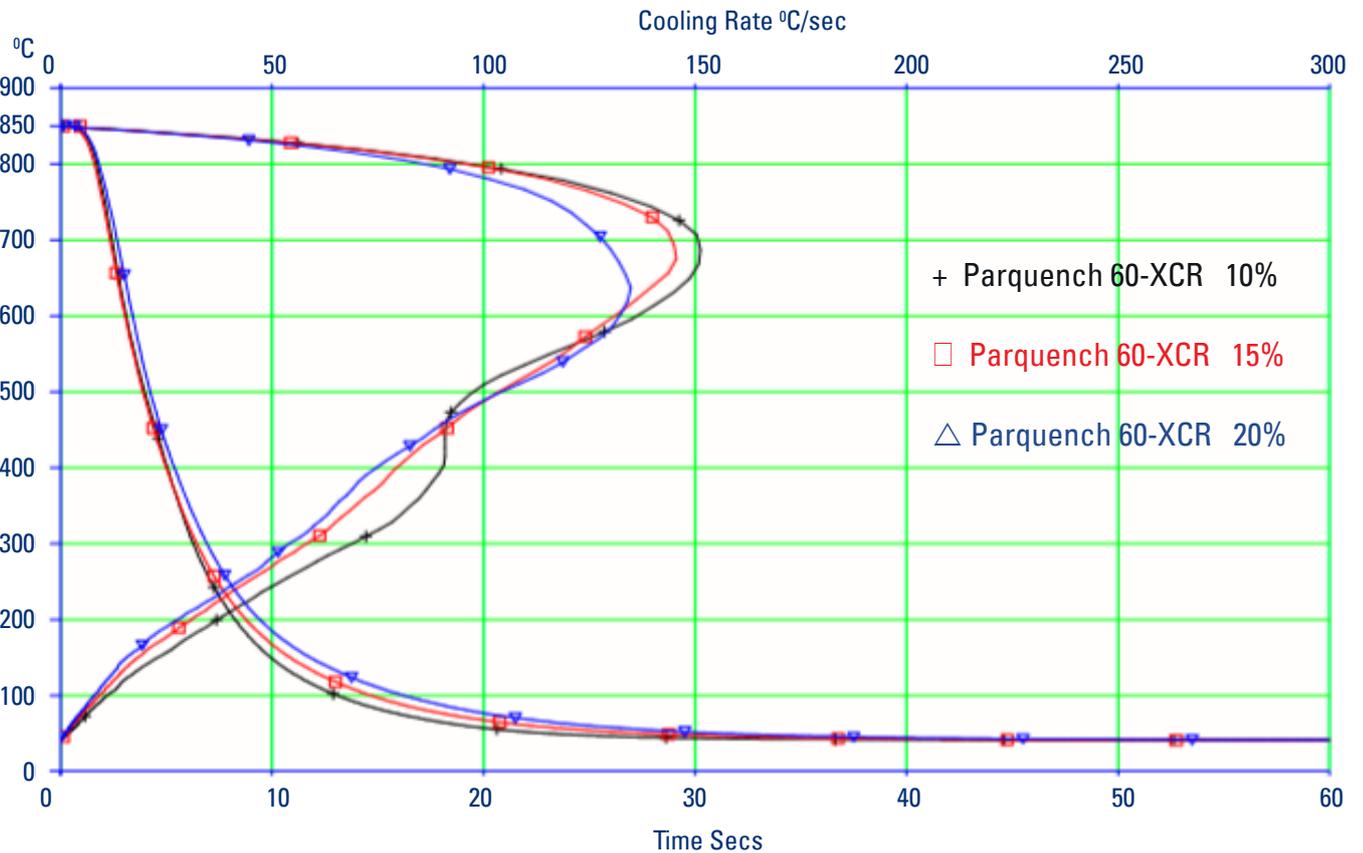
*Above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*

# PARQUENCH 60-XCR | Concentration Control by Viscosity



# PARQUENCH 60-XCR | Quenching properties

ASTM 6482 at 32°C



## **CONTROL**

### *Concentration:*

The concentration of a PARQUENCH 60-XCR solution can be determined on site by measuring the refractive index using a hand held refractometer. The resultant reading has to be multiplied by the refractometer factor. Contaminants will influence the concentration determined by refractometer it is therefore recommended to measure the (kinematic) viscosity of a PARQUENCH 60-XCR solution regularly as well. The corresponding concentration can be read from above table.

## **SAFETY:**

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.

## **HANDLING AND STORAGE**

Protect from freezing, direct sun and store dry between 5 - 35°C in a well-ventilated area. Packaging types: 20, 200 and 1000 litre.

## **NON-WARRANTY**

The information contained in this bulletin is believed by DuBois Chemicals to be accurate, genuine and complete. Recommended parameters are based on typical processes and may be altered to accommodate specific requirements. However, the final use of this product is beyond our control; therefore, no warranty of results is expressed or should be implied by this technical data sheet.



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