

RUST NEVER SLEEPS:

# Corrosion Under Insulation (CUI)

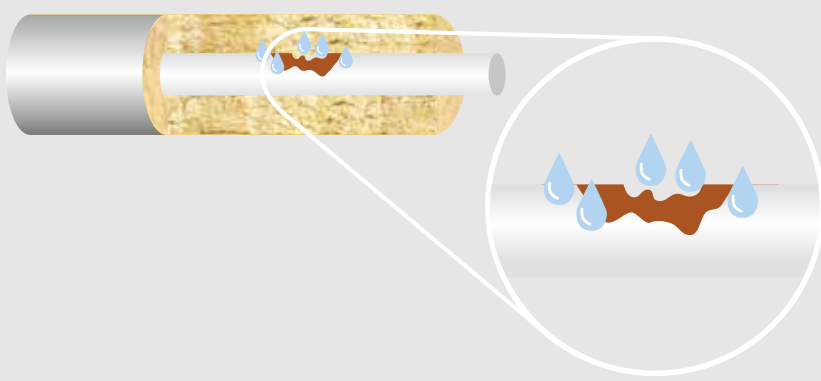


## DID YOU KNOW THAT ...

40 %  
of global steel production is used to  
replace destroyed material

40 to 60%  
of pipe maintenance expenditure  
is down to CUI

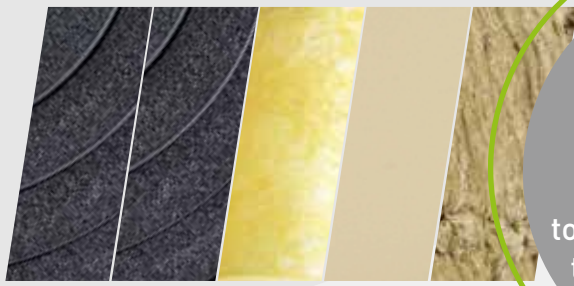
## IF HUMIDITY ACCUMULATES IN THE INSULATION ...



Condensation occurs on the pipe surface and pipe under the insulation can corrode.

## WHICH INSULATION MINIMIZES THE RISK?

5 insulation systems ...



were exposed for  
**65 days**  
to a high-humidity, dual-temperature environment

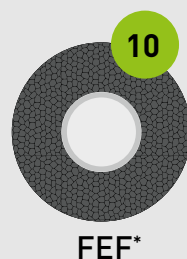
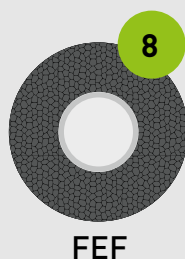
Test conducted by:



**INNCOA**  
SURFACE AND SUBSTRATE ENGINEERING

## TEST RESULTS

Corrosion protection rating  
**10 = no corrosion**  
(acc. to ISO 10289)  
\* all-over adhesion of both FEF layers



## PROVEN PERFORMANCE



The independent test confirmed:

ArmaFlex showed best-in-class performance and was the only material not to exhibit any sign of corrosion.

## PREVENTING CUI

### ArmaFlex mitigates CUI:

- Closed-cell flexible elastomeric foam (FEF)
- Highly effective moisture barrier
- Vapour-tight seams thanks to excellent adhesion
- Low level of leachable chlorides
- Neutral pH value
- Easy inspection and maintenance



**armacell**<sup>®</sup>

MAKING A DIFFERENCE  
AROUND THE WORLD