

Creating Additive Value



High Performance Defoamer for Water Based Systems

Anti-Freeze /Coolant Defoamers

Based on 3D siloxane technology

HIGHLIGHTS:

- FOAM BAN® EC 310
- Better concentrate compatibility
- Effective foam control at room temperature and 88° C

PROJECT DETAILS:

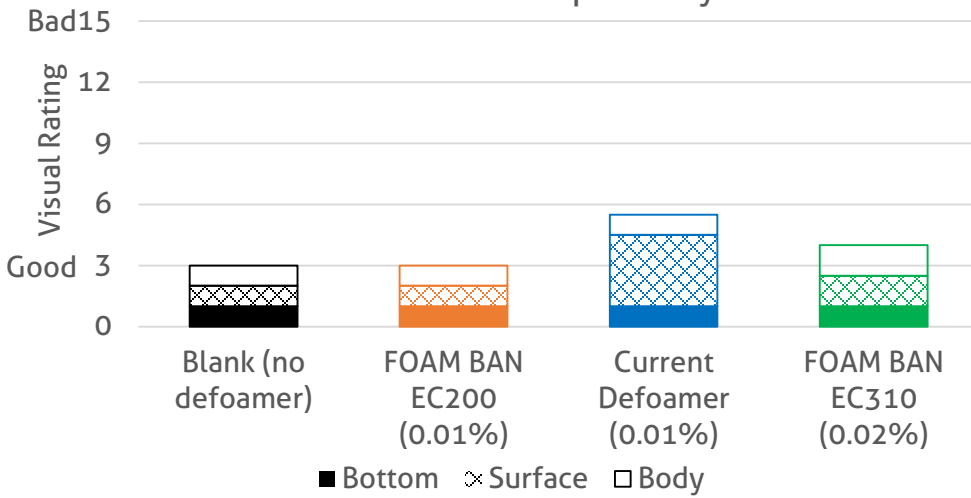
- Anti-freeze System
- Current defoamer used at 0.01%
- Dilution of 33% concentrate in deionized water
- Goals:
 - Improve compatibility
 - Foam control at room temperature
 - ≤150 mL foam volume and ≤5 second break in D1881 test (88° C)





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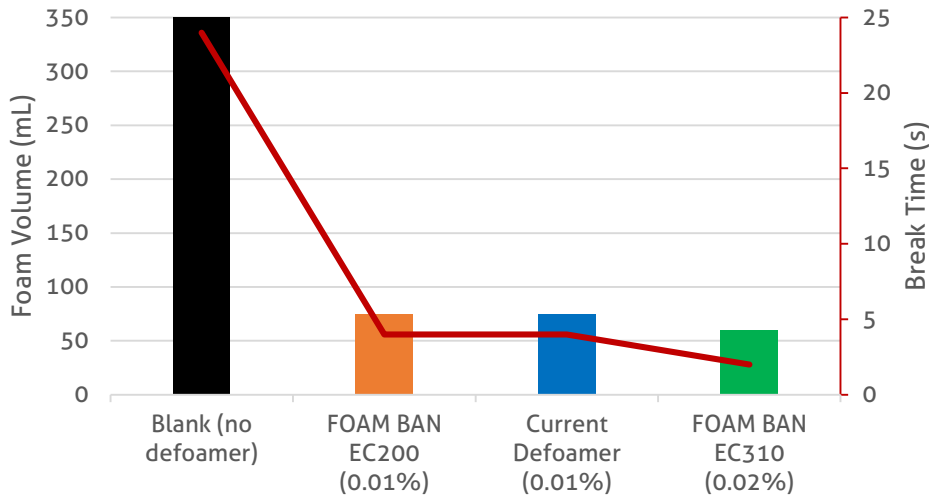
Concentrate Compatibility



Aging Stability

- 7 days at room temperature
- Less surface separation than the current defoamer

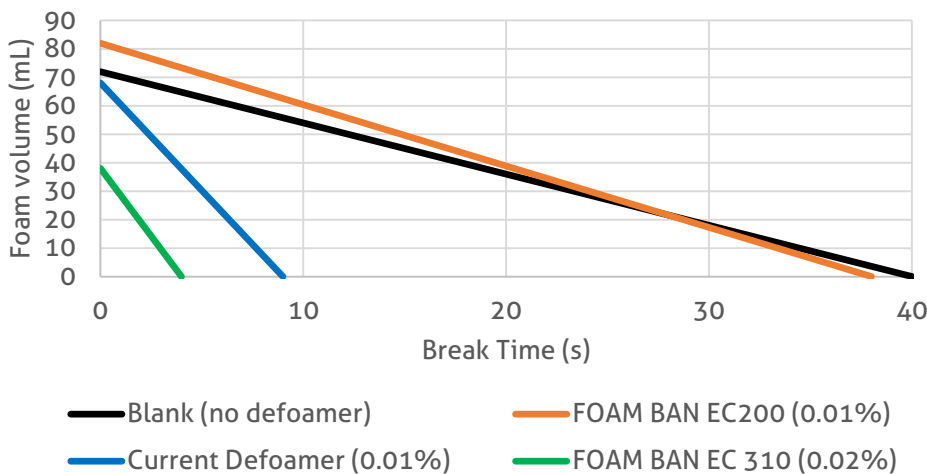
ASTM D1881 at 88° C



Application Test

- FOAM BAN EC 310 provided the best foam control
- All defoamers met targets

GFC Foam Test at Room Temperature



Filling Test

- FOAM BAN EC 310 performed the best

