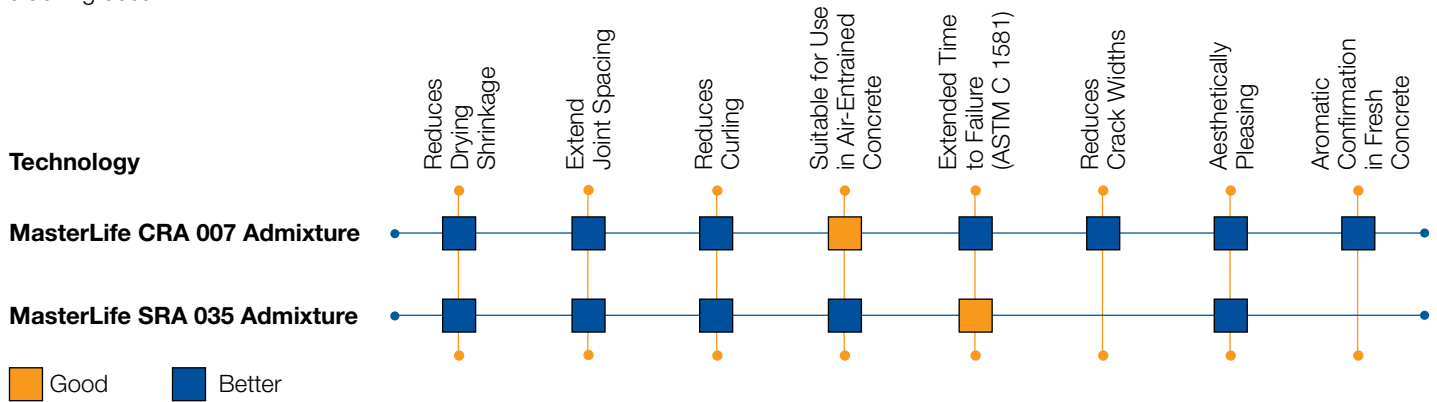


# Technical Bulletin

## Producer Information For Crack-Reducing Admixture Technology

### Overview

MasterLife CRA 007 crack-reducing admixture is an innovative liquid chemical admixture that is specifically formulated to reduce the magnitude of drying shrinkage and, thereby, minimize the potential for cracking. Compared to a conventional shrinkage-reducing admixture, MasterLife CRA 007 crack-reducing admixture provides enhanced performance by reducing initial crack widths, should cracking occur.



### Industry Standards and Certification

MasterLife CRA 007 admixture meets ASTM C 494/C 494M, Standard Specification for Chemical Admixtures for Concrete, requirements for Type S, Specific Performance Admixtures.

MasterLife CRA 007 admixture is also NSF certified for use in water-retaining structures.



### Applications

MasterLife CRA 007 admixture can be used to meet drying shrinkage limits in project specifications; and is recommended for use in all concrete applications where cracking due to drying shrinkage is of concern, including:

- Slabs
- Parking structures
- Bridge decks
- Liquid-containing structures

# Crack-Reducing Admixture Technology

MasterLife CRA 007 admixture works synergistically with any of the BASF MasterFiber line of synthetic macrofibers to help extend joint spacing in slabs-on-ground, or in jointless slab applications.



Slab on ground applications with no joints are possible using MasterLife CRA 007 admixture in conjunction with MasterFiber macrofibers.

## Dosage

The recommended dosage range of MasterLife CRA 007 admixture is 1.0 to 2.0 gal/yd<sup>3</sup> (5.0 to 10.0 L/m<sup>3</sup>), depending on the specific application. However, dosages outside of this range may be required depending on the level of shrinkage reduction and crack control desired.

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***The mix water content must be reduced by the dosage of MasterLife CRA 007 admixture used.***

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## Mixing

Preferably, MasterLife CRA 007 admixture should be added to the concrete mixture during the initial batch sequence. For air-entrained concrete, the timing of addition may have to be adjusted to facilitate air entrainment.

## Product Position and Offering

MasterLife CRA 007 admixture is an innovative technology that affords a concrete producer the opportunity to differentiate and offer a premium, value-added concrete mixture.

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## Contact

**United States**  
23700 Chagrin Boulevard  
Cleveland, Ohio 44122-5544  
Tel: 800 628-9990 ■ Fax: 216 839-8821

**Canada**  
1800 Clark Boulevard  
Brampton, Ontario L6T 4M7  
Tel: 800 387-5862 ■ Fax: 905 792-0651