



# CONCRETE

## SikaControl® FD-100 INTEGRAL FRESH CONCRETE DENSIFIER

- Increases density of freshly mixed, non-air entrained concrete
- Reduces risk of blistering and delamination issues
- Easy to finish polished surface
- Improved aesthetic results
- Improved concrete uniformity and reduced risk of claims related to air content

# SikaControl® FD-100

## INTEGRAL FRESH CONCRETE DENSIFIER

Low amounts of air and void space are key to ensuring successful placement and finishing of interior concrete slabs and floors. ACI 302 highlights the importance of this control of density in plastic concrete, establishing that air content should not exceed 3%. This can be challenging when mix designs require higher water to concrete ratios, higher slumps, blended cements, or the addition of fibers. Increasing the density of concrete reduces the risk for negative effects, such as blistering and delamination. There is now a simple and quick solution for these issues. SikaControl® FD-100 can be used to increase concrete density and keep concrete air content below 3%.

### TYPICAL APPLICATIONS:

- Warehouses
- Showrooms
- Schools and Hospitals
- Manufacturing Facilities
- Other interior, non-air entrained concrete applications with high aesthetic and machine finished surface requirements

### Air Content with SikaControl® FD-100

| SikaControl® FD-100                   | Initial Air Content (%) |
|---------------------------------------|-------------------------|
| Control Set                           | 3.8                     |
| SikaControl® FD-100 @ 0.5 (fl.oz/cwt) | 1.7                     |
| SikaControl® FD-100 @ 1.5 (fl.oz/cwt) | 1.4                     |
| SikaControl® FD-100 @ 3.0 (fl.oz/cwt) | 1.3                     |

LABORATORY EVALUATION: Mix 611, Holcim I/II, w/c - 0.45,  
HRWR @ 5.0 fl.oz./100

CONTROL SET



SikaControl® FD-100  
@ 1.5 fl.oz/cwt



## FOR MORE SikaControl® FD-100 INFORMATION:

Contact Sika Team 800 933 7452 ■ Website [usa.sika.com](http://usa.sika.com)

For up to date and accurate information please consult the current Product Data Sheet at [usa.sika.com](http://usa.sika.com)

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