



BUILDING TRUST



## PRODUCT DATA SHEET

# Colorseal®-On-A-Reel

**Silicone-coated, precompressed, primary seal for rapid installation into small joints in vertical and horizontal planes.**



Colorseal-On-A-Reel provides a 10-ft (3m) length on a single reel.

### Product Description

**Colorseal-On-A-Reel (COR)** by Sika Emseal is a cost-effective version of Emseal's industry-standard Seismic Colorseal product shipped on a reel for rapid installation into small joints — 1/2 to 1 1/4-inches wide (12 – 30mm).

Reel-packaging, in contrast to 'stick' packaging: reduces waste, lowers production costs, makes handling easier, and installs rapidly.

COR is a fraction of the price of similarly sized 'stick' Colorseal. Its installed-cost makes COR a cost-effective alternate to 'caulk and backer rod'.

**Colorseal-On-A-Reel** is a tensionless solution to small joint sealing. COR replaces traditional liquid sealant and backer rod in the typical "caulk and backer rod" configuration that relies for performance on the difficult-to-achieve 'hour-glass' shape.

In doing so, COR eliminates the primary reason for sealant joint failure — tension — at the bondline and within the cured liquid sealant.

COR installs rapidly and eliminates many of the myriad steps required to achieve a neat, functioning joint seal using liquid sealant and backer rod. No grinding, priming, backer rod insertion, masking, mixing, or tooling. And COR not only seals out water, it seals out air, heat, cold, and sound as well.

Continuity of seal and continuity of thermal insulation throughout changes in plane and direction are hallmarks of Colorseal-On-A-Reel.

Back pressure maintains the seal and ensures that the silicone bellows is never under tension from the effects of joint movement. This means that neither the bellows nor the silicone installation bead are in tension during joint opening movement.

Color-switching makes Colorseal-On-A-Reel aesthetically versatile.

An R-value of approximately 1.8 per inch of depth imparts thermal insulation at joint-gaps where thermal loss is often significant.

### Uses

Replaces caulk and backer rod in smaller control joints and building component joints in:

- Tilt-up walls
- Precast concrete
- CMU
- Curtainwall
- Masonry
- Metal Panel
- Natural Stone
- Window perimeters
- Sidewalks
- Driveways
- Residential garage to driveway thresholds
- Pool copings, etc.

### Features

- Tensionless, pre-cured silicone primary seal
- Cost effective
- Shipped on 10-foot reels
- Smooth convex surface
- Rapid installation — new or retrofit
- No priming, masking, mixing, tooling or backer rod placing
- Watertight
- Airtight
- Insulates
- Sound attenuating
- ABAA Compliant
- Resists hurricane force wind and water
- Aesthetically and practically versatile
- Easily handles changes in plane and direction
- Conforms to substrate irregularities
- Easily handles curved joints

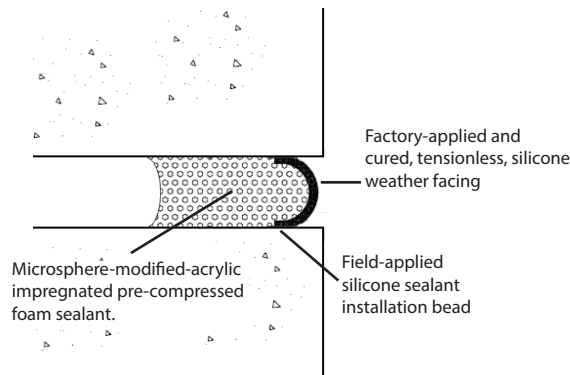
### Standard Sizes

- 1/2", 3/4", 1" and 1 1/4" (12, 20, 25 and 30mm)
- Depth of Seal: 1 3/4"

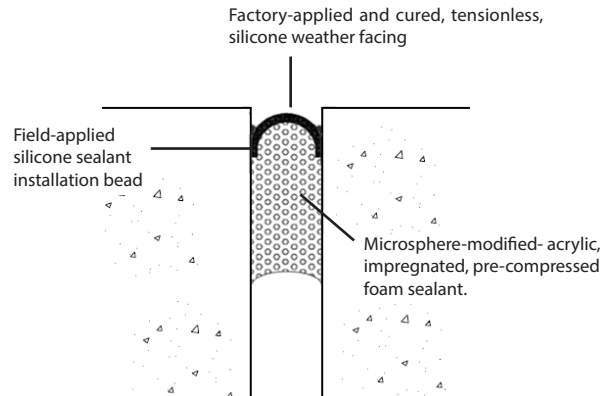
### Movement Capability

- Total 80% (+30% and -50%) of nominal supplied size.

## COLORSEAL-ON-A-REEL



VERTICAL-PLANE APPLICATION



HORIZONTAL-PLANE APPLICATION

Sizing		
Product Code*	Nominal Material Size (Joint Size @ Mean Temp.)	Depth of Seal
COR – 0050	1/2" (12mm)	1 3/4" (45mm)
COR – 0075	3/4" (20mm)	1 3/4" (45mm)
COR – 0100	1" (25mm)	1 3/4" (45mm)
COR – 0125	1 1/4" (30mm)	1 3/4" (45mm)

\*NOTE: Product Code begins with COR designation.  
e.g. COR-0100 = 1-inch (25mm) Colorseal-On-A-Reel

## Colors

Available in a wide range of standard silicone colors.

As an option to silicone coating, COR is now available with a paintable coating of Sika® Hyflex® 150 LM STPE hybrid sealant in a neutral "limestone" color ideal for accepting latex and acrylic paints and coatings. *Note: in applications where joint movement occurs, unless paint or coating is flexible and can move with the COR, the paint may crack. All instructions of the coating manufacturer in regards to substrate preparation to achieve adhesion acceptable to the user must be followed.*

## Composition

Colorseal-On-A-Reel (COR) combines a factory-applied and cured silicone bellows with a microsphere-modified acrylic-impregnated expanding foam sealant backing.

COR features Emseal's microsphere-modified acrylic impregnation infused into a cellular foam base material and is coated with a high-grade silicone coating that has been tested for durability under UV, water, and air pressure differential exposures typically experienced by modern structures.

## Performance Limitations

Substrates must be clean, parallel, plumb and capable of resisting approx. 2.5 psi backpressure from the foam.

## Installation

NOTE: This is a summary installation sequence for illustration purposes only. See Colorseal-On-A-ReelL Install Data for complete instructions.

Clean the joint faces.

Using the silicone sealant provided, gun a continuous installation bead of sealant 3/8" (10mm) back from the joint edges on each substrate.

Unroll Colorseal-On-A-Reel and remove release liner. Insert COR into the joint pushing on the material so that it 'snakes' from side to side.

Overcut each length by 3/8" (10mm). COR will self-expand to fill the joint. The combination of the active backpressure, embedment into the silicone installation bead, and the pressure-sensitive nature of the acrylic impregnation ensures the attachment of the foam to the substrates.



## CAD & Guide Specs

Guide Specifications and [CAD details](#) are available online at [Emseal.com](http://Emseal.com) or by [contacting Emseal](#).

## Warranty

Standard or project-specific warranties are available from Sika Emseal on request.

## Availability & Price

Colorseal-On-A-Reel is available for shipment internationally. Prices are available from local distributors and representatives or direct from the manufacturer. Product range is continually being updated, and accordingly Sika Emseal reserves the right to modify or withdraw any product without prior notice.

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**Product Data Sheet**  
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