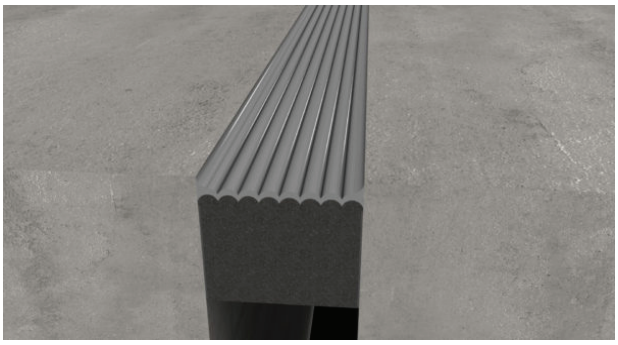
BALCO®
A CSW Industrials Company

PARKING OPEN-AIR
DuraSpan™
JOINT SYSTEMS

TECHNICAL DATA



BCSF-SL

Floor Compression Seal

07 95 13

PRODUCT DESCRIPTION

Precompressed polyurethane microcell foam, impregnated with a hydrophobic polymer compound that is UV stable and chemically resistant. The exposed surface is coated with a colorized, silicone coating. When installed in a properly sized joint, BCSF forms a watertight, dust-proof, airtight, soundproof insulated seal. It is permanently resilient and will expand and contract with the movement of the joint under any weather condition. BCSF is supplied in precompressed, self-adhesive rolls or stick form.

IDEAL FOR

• Expansion joints in post-tension concrete and other applications where mechanical fasteners are impractical or not permitted
• Watertight applications
• Above grade applications
• Exterior slabs

PERFORMANCE

Joint Sizes
1/2” - 8” (13mm - 203mm)

Movement Capabilities:
Permits unrestrained movement of the joint without damage to the seal.

±50% **Expansion/contraction**

SEISMIC THERMAL WIND **Per ASTM E1399**

PHYSICAL CHARACTERISTICS

- ASTM C661 Shore A 14 durometer silicone coating
- Density: 10 lb/ft³ (160kg/m³)
- Thermal Conductivity: 0.05W/m.°C
- Temperature Stability Range: -40°F to 185°F

balcousa.com
info@balcousa.com
800.767.0082

CERTIFIED ISO 9001
Quality Management System

MADE IN THE USA FROM GLOBALLY SOURCED MATERIALS

BCSF-SL FLOOR COMPRESSION SEAL

ADVANTAGES

• Ease of installation
• Excellent compression recovery
• Excelent resistance to mildew and UV
• Does not require mechanical fasteners
• Not based on asphaltic or bitumastic impregnation
• Conforms to joint irregularities, provided they are not sudden or extreme.

OPTIONS

• Fire Barrier

LIMITATIONS

• Limited shear movement capabilities
• Metal joint cover required for joints larger than 3” (76mm) nominal.
• Must be installed within recommended temperature range 50° to 80°F (10° – 26°C)
• Seals for joint sizes ½” and above are provided in 5’ lengths.
• Foam seal has 3-month shelf life

FINISH

Seal available in gray only

RELATED PRODUCTS

• BBSW
• BCSW
• 2FRBCSW / 3FRBSCW
• 2FRBCSF-SL / 3FR BCSF-SL
• BCSWE
• BHFE

ADDITIONAL DOCUMENTATION

• Product details
• Installation instructions
• Maintenance and cleaning
• ASTM E1399
• Warranty
• SDS documentation
• LEED documentation

PERFORMANCE DATA

Thermal Resistance:

3.3 hr-°F-ft² / Btu

Tensile Strength:

Meets 21 psi min., per ASTM 3574

Shear Strength:

Min 8 N/cm²

Ultimate Elongation:

125% +-20% per ASTM 3574

Resistance to Compression Set:

Max 2.5% per ASTM 3574

Sound Transmission Loss:

51 STC, 47 OITC per ASTM E90

Effects of Accelerated Weathering and UV:

Subjected to 5000 hours of exposure per ASTM G155 with no tackiness, blisters, voids, crazing, chalking, cracking or hardening.

R-Value:

3.2-R per inch of material thickness

WARRANTY

Standard Warranty: 5 years
Sample warranty available upon request.

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