

FiST 7064



Product Description

FiST 7064 is a two-component ambient temperature cured, structural foam with adhesive properties that has the ability to bond to a variety of substrates and fill variable gaps.

Technical Snapshot

Compressive Strength	17.4 MPa
Tensile Strength	28 MPa
Volume Expansion	130 - 180%
Open Time	2.5 - 4 minutes
Fixture Time	6 - 8 minutes

Key Features

FiST 7064 provides value over other foam-in-place products by providing high strength at low density, fast reaction times, and excellent adhesion to a variety of substrates.

FiST 7064 is free of isocyanates and organic volatiles.

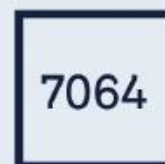
Product Attributes

- Bonds and seals variable gaps and matches irregular surfaces
- Fast curing for short cycle times and quick repairs
- Bonds to a variety of substrates
- Contains no isocyanates or organic volatiles
- Seals to prevent intrusion of dust, water, etc.
- Maintains adhesion and protects substrates when exposed to salt and humid conditions
- Lightweight with high load-bearing capability
- Strengthens and reinforces substrates
- Sandable, machinable, and paintable
- Retains mechanical fasteners, inserts, and brackets
- Inherently flame-resistant



Available Sizes

- 400ml Cartridge
- Bulk



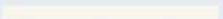
Application

Cartridge Application: Check each cartridge to ensure that the openings are free of obstruction or debris that would prevent flow. FiST 7064 is applied through a 10 mm x 24-element helical-type static mixer (except 50ml cartridges). Before bonding, dispense a small amount of material through the static mixer (purge) until the product exiting the mixer appears to be uniformly mixed.

Bulk Application

FiST 7064 can be applied using multiple types of meter-mix systems. The material is mixed through a 10 mm x 24-element helical-type static mixer. Contact parts should be austenitic (316 grade) stainless-steel in construction. Seals and gaskets should be PTFE, PVDF, PolyPro, EPR, Fluorocarbon, Viton, Peek, or Kalrez. Hoses should be eflon®-lined. Consult L&L Products Technical Service & Support Staff and the equipment supplier to ensure compatibility.

Available Colours

 Off-White

Available Packaging

We are able to provide 400ml cartridges in Forgeway branding as well as in your own branding.

Bulk packaging options are also available on request.

Storage / Shelf Life

Excess material should be removed before curing using a general-purpose organic solvent. Avoid disturbing the bond area during clean-up.

Painting is recommended for surfaces exposed to UV radiation (sunlight).

Storage / Shelf Life

12 months from date of manufacture – stored at less than 25°C [77°F] in original packaging. Long-term exposure to elevated temperatures can cause the material to lose performance characteristics.



Technical Data

Test Method

Physical Properties	Color	Part A	White	
		Part B	Light Brown	
		Mixed product	Off-White	
	Mix Ratio (by vol)		4:1	
	Open Time ²		2.5–4 min	
	Fixture Time ³		6–8 min	
	Full Cure		1 day	
	Return to Service ⁵		2 hr	
	Viscosity @ 25°C	Part A	45,000–55,000 cP	Parallel Plate Rheometer, 10 s ⁻¹
		Part B	39,000–55,000 cP	Parallel Plate Rheometer, 10 s ⁻¹
	Cured Density ⁶		0.54 g/cm ³	
	Volume Expansion ⁶		130–180%	
	Application Temperature		10°C–45°C [50°F–113°F]	
	Service Temperature ⁴		-40°C–60°C [-40°F–140°F]	
Mechanical Properties	Lap Shear Strength ⁷		6.0 MPa	
	Tensile Strength ⁸		28 MPa	ASTM D638, JISK 6301-1 Specimen
	Tensile Modulus ⁸		3,300 MPa	ASTM D638, JISK 6301-1 Specimen
	Strain to Failure		1.3%	ASTM D638, JISK 6301-1 Specimen
	Compressive Strength ⁹		17.4 MPa	ASTM D695, 30 mm x 60 mm cured cylinder
	Compressive Modulus ⁹		1,000 MPa	ASTM D695, 30 mm x 60 mm cured cylinder
	Absorbed water when submerged for 24 hours		0.4% (Painted), 1.3% (Unpainted)	ASTM D570, 25.4 x 25.4 mm cured cylinder
	Burn Rate		17 mm/min	UL94 HB at 3.3 mm thickness

Typical values