

# PRODUCT DATA SHEET

# Lockstop

# **Mastic Waterstop**

#### PRODUCT DESCRIPTION

Lockstop Waterstop is a strip-applied mastic waterstop for nonmoving concrete joints. When properly installed using Lockstop Primer Adhesive, Lockstop creates a watertight seal between concrete surfaces. Lockstop does not swell or create any internal joint pressures and requires minimum concrete coverage.

# **USES**

Lockstop is suitable for a variety of nonmoving joint applications, including:

- Retaining Walls
- Box Culverts
- Penetrations
- Concrete Pipe
- Vaults
- Slabs
- Elevator shafts

# **CHARACTERISTICS / ADVANTAGES**

Lockstop's structural integrity conforms well to the underlying substrate and exhibits self healing properties. Unlike hydrophilic waterstop products, Lockstop will not expand when subjected to moisture and can be installed in nearly all weather conditions and temperatures.

# PRODUCT INFORMATION

Packaging	3/4" X 1" X 16'-8" roll (6 rolls or 100' per carton)	
Appearance / Color	Black	
Shelf Life	2 years when stored in a cool, dark, dry environment	
Storage Conditions	Store Lockstop waterstop in a cool, dark, dry environment.	
Mass per Unit Area	1.22	(ASTM D-71)

# **TECHNICAL INFORMATION**

Chemical Resistance	5% solutions of KOH, HCL, H2SO, NaOH, H2S
	No visible deterioration

#### Product Data Sheet

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#### **APPLICATION INSTRUCTIONS**

#### **Surface Prep**

Lockstop is installed in and along the joint after the first concrete pour and before the second pour is made.

Lockstop may be installed in a variety of locations along the joint, including a keyway of appropriate dimensions or directly to a plain flat concrete surface. The use of a keyway can help stabilize the position of the Lockstop when the second pour is made. The non-expansive nature of Lockstop allows installation outside of the reinforcing steel with minimal concrete cover.

The concrete surface should be smooth, dry, and free of laitance or oil. Allow concrete to cure a minimum of 24 hours prior to application of Lockstop.

#### **APPLICATION METHOD / TOOLS**

Brush apply a 2" wide coat of Lockstop Primer Adhesive along the joint and allow it to dry for two hours before application of the Lockstop waterstop. Primer adhesive and waterstop should be applied the same day.

Press Lockstop firmly and continuously in place over the primed area, achieving about a 25% spread of the material's width. Lockstop can be mechanically fastened in vertical or overhead applications using concrete nails, but only in addition to using the primer adhesive. Suggested

fastener spacing is approximately 12" on center.

Lockstop should be spliced by lapping approximately 1" of the material side by side. Press the ends together with a molding action until there is no separation or air pockets. Repeat the molding process for intersections and corners. Lockstop may also be bent around corners to avoid splicing.

Inspect Lockstop for discontinuity and debris contamination immediately prior to the 2nd concrete pour. If damage has occurred, remove and replace the material with new.

Do not remove separation paper from Lockstop until just prior to the 2nd concrete pour.

#### **BASIS OF PRODUCT DATA**

Results may differ based upon statistical variations

depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

# **OTHER RESTRICTIONS**

See Legal Disclaimer.



### **ENVIRONMENTAL, HEALTH AND SAFETY**

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

1.2% (ASTM D-6)

#### **LEGAL DISCLAIMER**

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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