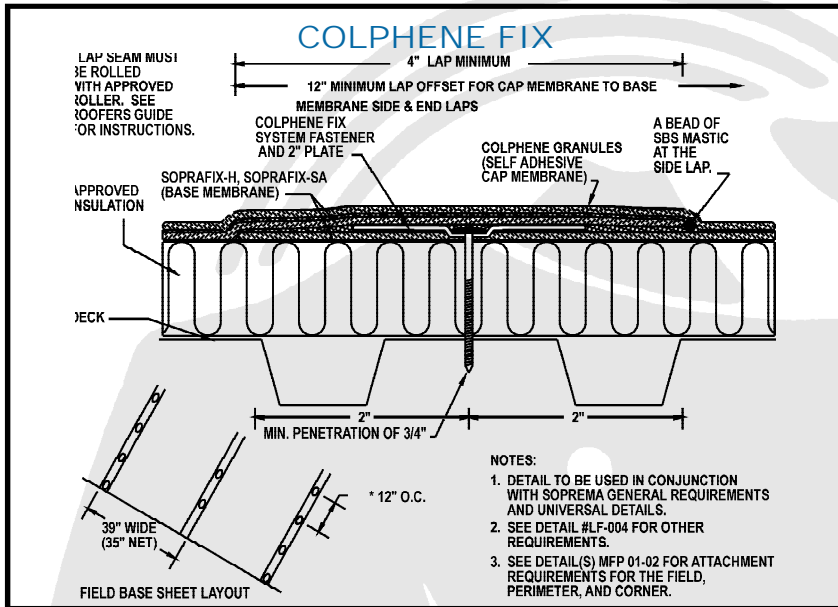
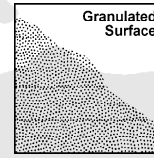


# MECHANICALLY FASTENED AND SELF ADHESIVE CAP

## TWO SBS MEMBRANE SYSTEM SELECTOR



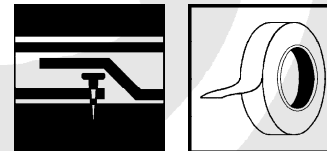
## SURFACE CONDITION



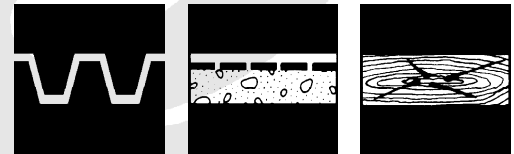
\* Standard Colors

- Black
  - Blue
  - Brown
  - Green
  - Gray
  - Red
  - Sienna
  - White
- \* Customized Mixes Upon Request

## APPLICATION



## DECK TYPES



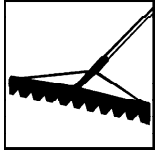
FIELD MEMBRANES SELECTOR	Method of Application	BASIC		OPTIMAL	
		32H	SOPRAFIX-H	32H	SOPRAFIX-H
FIELD BASE MEMBRANE PLY	MECHANICALLY FASTEN / HEAT FUSED	32H	SOPRAFIX-H	32H	SOPRAFIX-H
FIELD CAP MEMBRANE PLY	SELF ADHESIVE	73	COLPHENE GRANULES	74	COLPHENE HR GRANULES
	• FIRE RATED - SELF ADHESIVE	75	COLPHENE FR GRANULES	76	COLPHENE HR FR GRANULES

FLASHING SYSTEMS Method of Application	FLASHING SYSTEMS DESIGNATION	STANDARD		HEAVY DUTY			
		FIRST MEMBRANE FLASHING PLY	CAP MEMBRANE FLASHING PLY	FIRST MEMBRANE FLASHING PLY	CAP MEMBRANE FLASHING PLY		
	C	33	SOPRALENE FLAM STICK	50 SOPRALENE FLAM 180 GRANULES	33	SOPRALENE FLAM STICK	51 SOPRALENE FLAM 250 GRANULES
				57/58/SOPRALAST 50 TV 59 ALU/COPPER/STAINLESS			60 SOPRALENE FLAM 350 GRANULES
	E	20	ELASTOPHENE 180 SANDED	43 SOPRALENE 180 GRANULES	21	SOPRALENE 180 SANDED	45 SOPRALENE 250 GRANULES
	F	33	SOPRALENE FLAM STICK	74			
				COLPHENE HR GRANULES			



- Verify agency and building code approvals through the current agency and building code directories or contact Soprema's Technical Services Department at (800) 356-3521.





## SYSTEM

# MECHANICALLY FASTENED BASE MEMBRANE/SELF- ADHERED CAP MEM- BRANE QUICK SPEC

## 1. SYSTEM DESCRIPTION

Through a mixture of chemically engineered components, SOPREMA membranes redefine the qualities indispensable to a high-performance roof membrane: elasticity, fatigue, resistance and flexibility. The membrane is composed of SBS modified bitumen, which is bitumen with synthetic rubber.

In a mechanically fastened base membrane/torch cap membrane application, the base field membrane is mechanically fastened 12" o.c. in a 4" inch lap (1 1/2" o.c. from edge) with the side lap immediately heat fused, (NOTE: a torchable substrate or material capable of preventing ignition must be placed directly below the heat welded seam if an open flame method is being used). Then, the entire perimeter first membrane flashing ply is installed\*. Next, the cap field membrane ply is installed via self-adhered bonding. Finally, the top membrane flashing ply is installed and tied into the field cap membrane ply.

\* There are two (2) acceptable flashing system options with mechanically fastened-lap seamed/self adhered two membrane field systems. See Flashing System Description sheet for details.

### Limitations:

Insulation attachment must follow FM or the insulation manufacturers recommendations for the minimum securement of insulation panels under mechanically attached SBS membrane systems. Between the insulation and the membrane on some Class A systems a fire barrier material must be included. On all mechanically fastened systems a fire barrier material is necessary if the base membrane is applied with an open flame between the the base membrane and the following insulations: polyisocyanurate, expanded polystyrene, extruded polystyrene, and wood fiber board. Fire barrier materials include Sopra IV, Sopra VI, Sopra G, Modified G.

It is not recommended that Soprema membranes be used in contact with coal-tar pitch. Refer to the technical department for separator boards.

### Colors and Finishes:

Colors: white, gray, sienna, brown, black, red, green and blue granules

**Note:** custom colors matches, in required minimums, are available upon request.

Finishes: Aluminum (color options), Copper or Stainless Steel

### Applicable Standards:

Underwriter Laboratories, Warnock Hersey, Factory Mutual, SBCCI, Metro Dade, BOCA and ANSI. Contact SOPREMA for the specific approved assemblies by agency and/or building code

## 2. TECHNICAL DATA

Refer to Soprema's Technical Data sheets.

## 3. INSTALLATION

SOPREMA has licensed approved contractors and provides specifications, drawings, and special assistance. All SOPREMA projects are inspected by a factory-trained technical representative during installation and upon completion prior to the issuance of the warranty.

### Surface Preparation:

A. The Roofing Contractor shall be responsible for the inspection of the deck surface before roofing.

B. DO NOT PROCEED WITH ANY PART OF THE APPLICATION UNTIL ALL DEFECTS HAVE BEEN CORRECTED AND COMPLETED.

### Placement of Membranes:

1. Begin at low point of roof. Unroll base ply membrane on substrate for alignment. Each sheet shall have 3" side laps and 6" end laps.
2. Place membrane so edge lap will be centered on the drain or lowest point of the roof.
3. Roll out base ply to full length. Fasten only in laps\*, \*\*(minimum of 4" lap, 1 1/2" o.c.) through an approved assembly and deck substrate. Torch fuse side laps completely sealing the fastener/plate (to cover fasteners).  
\*Note: Fastener type and density to be determined upon review.  
\*\*Note: System design may require a special purpose calculation to obtain fastening system pattern and density.

4. Application shall provide a smooth surface, free of air pockets, wrinkles, fishmouths or tears.
5. See Reverse for basic, optimal, and heavy duty flashing applications.
6. Once the base ply (incl. flashing) is installed and does not show any defects, install the top ply field.
7. Unroll the cap membrane ply—perpendicular if glass reinforced and parallel or perpendicular with non-woven polyester reinforced—on to the base membrane ply staggering the base and head laps a minimum of 12" from the base membrane head and side laps. Fully torch fuse the cap membrane ply to the base membrane ply using a "box" motion (see Soprema's Roofer's Guide) torching technique being careful to simultaneously melt both base and cap membrane ply's to obtain long term adhesion)
8. Check all lap seams and correct any defects.
9. Consult Soprema details for top ply flashing applications.

## 4. WARRANTY

Soprema Roofing and Waterproofing offers warranty periods of 10, 15, and 20 years. Total System Warranties and Warranties requiring special rider conditions may be acceptable upon technical review and approval prior to bid.

## 5. MAINTENANCE

Although Soprema membrane systems provide excellent longevity and require generally very little repair and maintenance compared to other roofing systems a warranty service program is available from Soprema.

## 6. TECHNICAL SERVICES

Soprema Roofing can provide specifications, drawings and job inspections by Soprema's technical representatives. Contact the Soprema Technical department for additional information at (800) 356-3521.



310 Quadral Drive • Wadsworth, OH 44281  
Ph.: (800) 356-3521 • (330) 334-0066  
Fax: (330) 334-4289