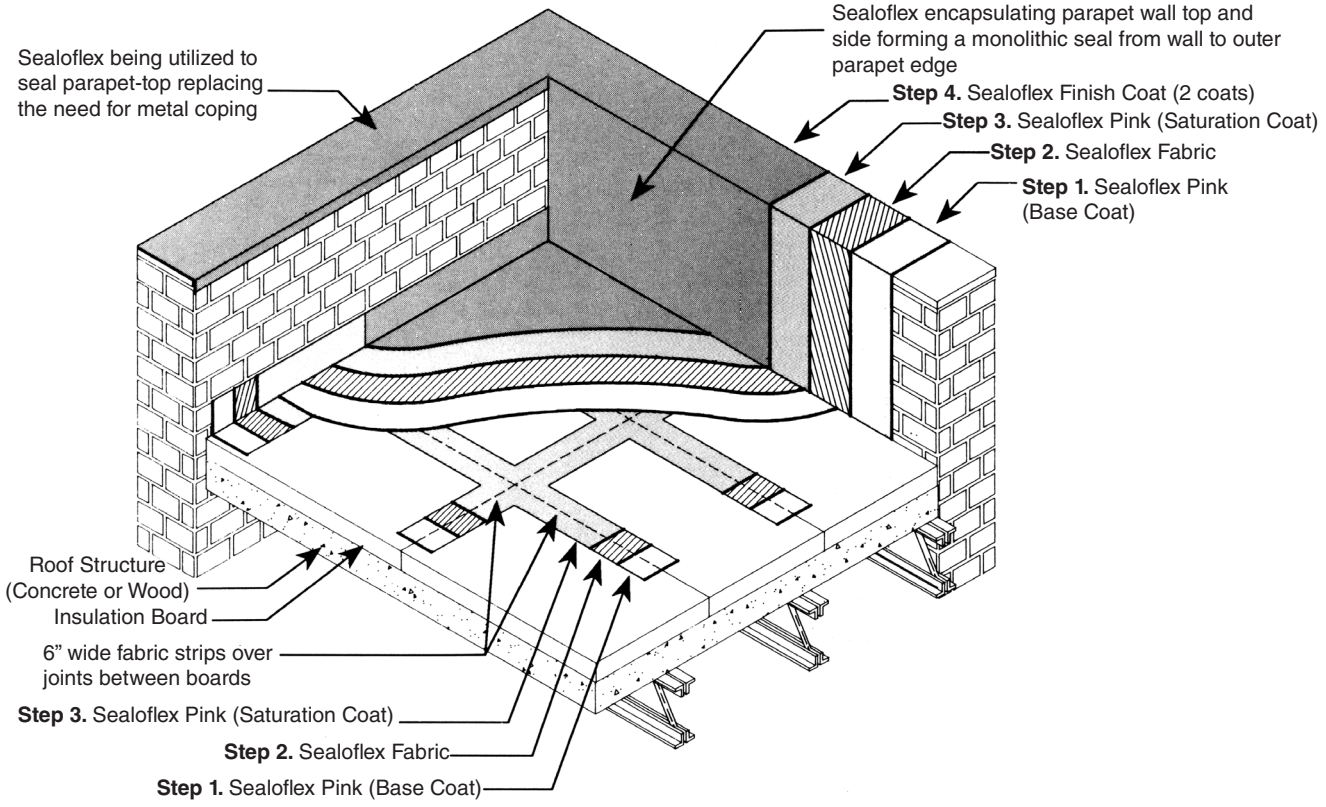
1.2.1 Flat & Low Pitched Roofs

Application Guide



TYPICAL FLASHING AND COPING DETAIL

Inspection

Inspect roof carefully paying particular attention to the following points. In the case of existing roofs:

- Surface condition (smooth, granular or gravel finish)
- Drainage (occurence of ponding water, outlets). The roof must have positive drainage throughout
- Soundness of substrate (bubbles, delamination)
- Moisture content of existing substrate
- Type of existing roof (asphalt, EPDM, PVC TPO, Hypalon®, etc)
- Type of flashing detail
- Check for fire rating of existing substrate

Preparation

Once a thorough inspection of the listed points above has been undertaken, it can be determined whether:

- Sealoflex® can be applied to the existing surface
- It is necessary to remove the existing material and replace with a new substrate
- A new substrate should be installed to the exisiting roof. (e.g. insulation board, lightweight concrete)
- For sound but uneven surfaces, (e.g. damaged lightweight concrete, concrete, "tar and gravel"). Refer to 1.2.1.2, application guide.

If there is any doubt about the procedure to adopt, contact the Sealoflex technical department for assistance. In general however, if the roof is well drained, reasonably smooth and the substrate is sound, the Sealoflex® System may be applied directly to the surface. Make sure the surface is clean and free of loose or flaking particles, oil, and grease.

SEALOFLEX INC.

CORPORATE OFFICES
2520 Oscar Johnson Drive
Charleston, SC 29405
Tel: (843) 554-6466
(800) 770-6466
Fax: (843) 554-6458
Website: www.Sealoflex.com
E-mail: info@sealoflex.com

SALES OFFICE
CHARLESTON, SC
HAMBURG, GERMANY
CANTERBURY, KENT, U.K.

Sealoflex®
Waterproofing Systems

OCTOBER 2010

Priming

- **Concrete & Masonry™**
  Prime with Sealobond Primer™ at 250 sq.ft./gal. and allow to dry
- If concrete is damp or in high moisture environments, Sealoment Plus™ must be used (250 sq.ft./50 lb. bag). It may also be necessary to apply Dampseal 101™ over Sealoment Plus™ to protect from concrete outgassing.
- **EPDM, TPO & Hypalon®**
  Apply EPDM Primer at 250 sq.ft./gal.
- **Unprotected Ferrous Metal**
  (Iron & Steel) Apply one coat of Rust-X 2020™ at 600 sq.ft./gal. and allow to dry at least 3 hours. Follow with one coat of Sealoflex Metal Etch Primer™ at 250 sq.ft./gal. and allow to dry.
- **Cellular Light Weight Concrete**
  Prime with Sealoment Plus™ at 250 sq.ft./50 lb. bag. The Sealoflex CT System™ is required over this substrate. Use Sealoflex (Regular) Fabric™, **NOT** Sealoflex Deck Fabric™ when using the Sealoflex CT System™.
- **Granular Modified Capsheet**
  Apply one coat of Sealoflex Pink® at approximately 27-30 sq.ft./per gal. to the surface and allow to dry prior to proceeding with the Sealoflex System.

It is recommended that all concrete be tested for moisture content prior to application of the Sealoflex System. Structural concrete moisture should be <8%. Cellular Lightweight concrete moisture should be <19%. If the moisture content is greater than specified, it is recommended that Dampseal 101™ be applied.
Most other surfaces do not require priming provided they are sound and clean. If there is any doubt as to the correct method of surface preparation please contact Sealoflex Inc. for specific recommendations.

For this and/or related products, please refer to individual product data sheets, System Application Guides, Products MSDS, Primer Chart, Fabric Chart.

Application

Where the surface is made up of individual flat, smooth panels such as plywood or insulation board, all joints are taped with Sealoflex Pink® and 6" wide Sealoflex Fabric™ using the following method.

Apply a generous "base coat" of Sealoflex Pink® in a band symmetrically about the joints approximately 6" wide and lay the fabric into the wet Sealoflex Pink®. Immediately saturate from above and allow to dry.

This area is now ready to be waterproofed in the same way as a roof which has a continuous substrate (e.g. existing smooth BUR). This whole roof is now covered with Sealoflex Pink® and 5' or 10' wide Sealoflex Deck Fabric™. Lay the deck fabric onto the dry prepared roof surface. Apply a generous coat of Sealoflex Pink® to the surface of the fabric by 3/4" nap roller or spray. When applying by spray, always back roll area with a 3/4" nap roller to ensure that the Sealoflex Deck Fabric™ is fully imbedded into the Sealoflex Pink® and that no bubbles or wrinkles occur in the fabric. Adjacent runs of fabric should overlap by 3". Ensure that overlaps of fabric are fully saturated. Allow to dry. Application rate of Sealoflex Pink® is a minimum of 40 sq.ft./gal. Flashings, parapet walls and penetrations are treated using flashing fabric (see 1.4.1 Flashings and Coping Applications Guide). Once the whole area has been covered, apply two generous coats of Sealoflex Finish Coat™ by brush, roller or spray at a total coverage rate of 70 sq.ft./gal.

NOTE: Sealoflex Deck Fabric™ can be used on flat, smooth surfaces. Sealoflex (Regular) Fabric™ is used over rough surfaces such as granular modified capsheet and anytime when using the Sealoflex CT System™.

Cleaning

Sealoflex Finish Coat™, Sealoflex Pink®, Metal Etch Primer™, Sealobond Primer™ and Rust-X 2020™ will rinse off with water while still wet. Once these products have dried, use Quick Clean to remove from tools.

Important Recommendations

It is not advisable to cover Sealoflex™ with stone chips, screeds, tiles or soil. Should this be a requirement, use the Sealoflex CT™ System, or contact our technical department for further information on how to address these conditions. Do not apply Sealoflex™ if rain is imminent or at temperatures below 45˚F

***NOTE*:** System must be totally cured before the onset of freezing conditions.

All areas to be treated with Sealoflex System must have positive drainage. Although Sealoflex® will easily last for 10 years and more, it is advisable to give the system a maintenance application of Sealoflex Finish Coat™ at 70 sq.ft./gal. every five years.

WARNING!

DO NOT plunge, submerge, dip, etc. applicator tools (rollers, brushes, etc.) into CT™ Buckets due to static electricity buildup. Sparks/Fire may result. Always **pour** CT™ products from the container onto the substrate.

CT™ PRODUCTS ARE FLAMMABLE!

Electrostatic charge may acculmulate and create a hazardous condition when handling or applying CT™ Products.

ALWAYS USE PROPER GROUNDING PROCEDURES.

ALWAYS HAVE A CO_2 FIRE EXTINGUISHER WITHIN IMMEDIATE REACH OF THE APPLICATION AREA.

IMPORTANT NOTE: Always check our website, www.sealoflex.com to determine if the printed literature you are reading is the most current version available.