

General

Impermitek's liquid applied products are used for a variety of roofing, waterproofing and protective surfacing applications. Impermitek's systems require very little in the way of ancillary materials, tools and equipment for installation.

The following tools, equipment and ancillary products are specifically designed for the correct delivery and application of Impermitek's resins and components, and are recommended to aid in the successful application of Impermitek roofing, waterproofing and surfacing systems:

Tools, Equipment, & Ancillary Products Required for General Application

Substrate Preparation

- TekPaste (non-traffic bearing substrates only)
- Impermitek SL Mortar
- Blower, vacuum & broom
- #1 Kiln dried quartz aggregate
- 1/2 to 5/8 inch closed cell PE backer rod
- Scarification equipment including shot blaster, floor scarifier & handheld angle grinders w/diamond cup wheel
- Square edge trowel
- Screed bar

Mixing

- Plastic tarps or sheeting
- Clean wood mixing sticks
- Variable speed drill with 1/2-in chuck
- 2-large spiral resin agitator/mixers
- 20 ml measure scoop
- Plastic mixing buckets (5 L)
- Mixing pail (5-gal)

Application

- Reinforced masking tape
- Razor knife
- Large scissor
- Wire brush
- Disposable heavy duty nitrile gloves
- Chalk Line
- Tape measure
- Permanent marker

Miscellaneous

- Extension cords
- Clean cotton rags
- Plastic garbage bags
- Impermitek Cleaner
- Impermitek 4-8' Pro Extendable Pole •

Note: The installer must assess job-site conditions and determine specific needs for each individual application, including requirements for special tools, permits, or licenses.

The tools and equipment recommended by Impermitek are based on general practices in typical conditions

Hand Tools Required for Applying Impermitek Components

The following hand tools are recommended for application of specific Impermitek components:

Impermitek Flashing Membrane	
All applications:	4 in roller naps 4 in roller handles 2.5 in brushes

Impermitek Field Membrane	
All Applications:	10 in roller naps 10 in roller handles
Resin Basecoat application:	3/8 in steel v-notch trowel or rake NOTE: Used for spreading resin over substrate prior to embedding TekMat reinforcement.

Impermitek SL Mortar	
Normal Mortar application:	1/2 x 7/16 in v-notch trowel or rake with blunted tips
Steep slope Mortar applications:	3/8 or 1/2 in v-notch trowel or rake
All applications:	Nylon spiked roller & spiked shoes

ImpermiGrip	
Light pedestrian traffic:	3/16 in v-notch trowel or rake
Normal pedestrian traffic:	1/4 in steel v-notch trowel or rake
Vehicular traffic:	3/8 in steel v-notch trowel or rake
All applications:	10 in roller naps 10 in roller handles

ImpermiFinish	
Smooth surfaces:	1/8 in steel v-notch trowel or rake
Embedment coat for #0 quartz aggregate:	3/16 in steel v-notch trowel or rake
Sealcoat over quartz aggregate:	Flat blade rubber squeegee
All applications:	10 in roller naps 10 in handles

General Information

Rollers & Brushes

All applications require the use of Impermitek's rollers and brushes. These tools are specifically designed for the correct delivery and application of all Impermitek resins and components. Using non-Impermitek roller knaps may lead to improper coverage, resin waste, and costly rework.

On average, each workman will use approximately 3 to 5 brushes and/or roller naps per hour depending on components being applied and ambient temperature. Order according to the number of workers and man-days anticipated for each project. When ordering Impermitek tools, the following guidelines would apply:

4-8' Pro Extendable Pole

Used with Impermitek rollers for both screw & push-fit handles.

10-inch roller naps

Used with all Impermitek components for application in field and large open areas.

4-inch roller naps

Used with all Impermitek components for application on flashings and small tight areas.

2.5-inch brushes

Used with all Impermitek components for application on flashings, detail work and small tight areas. Brushes are always required to work resin into corners and tight areas that cannot be reached with a roller.

24-inch Squeegee (Flat blade & Notched)

Used for application of the resin mortars and topcoat finishes on horizontal substrates.

Resin Mixer/Agitator

Specially designed non-aerating resin mixer/agitator is required for mixing all Impermitek components. Using at least two mixer/agitators is recommended for productivity, and to avoid cross contamination of catalyzed and non-catalyzed resin products.

Spike Roller

Spike roller is used for pinning (to assist in leveling and eliminating air bubbles) Impermitek Self-Leveling Mortar for both pedestrian and vehicular traffic bearing systems.

Spike Shoes

Spike shoes are used when required for pin rolling and broadcasting aggregate on Impermitek Self-Leveling Mortar and PolyFinish for both pedestrian and vehicular traffic bearing systems.

Tool Use and Care

Brushes and roller naps are consumable items and must be discarded once they have stiffened. Consumption of brushes and rollers will vary depending upon temperature and the type of resin being used. For prolonged brush and roller life, remove excess resin during work stoppages (brush or roll dry) using clean cardboard or other disposable material. Eventually the brush and/or roller nap will harden as resin begins to cure requiring replacement.

Roller handles and metal tools may be cleaned with Impermitek Cleaner. To minimize cleaning, wipe re-useable handles and tools with clean, dry cloth as needed before resin components cure and schedule work to avoid stopping.

DISCLAIMER

The purpose of this Guide is to provide fundamental information and important design and/or application considerations for Impermitek roofing, waterproofing and surfacing assemblies. Impermitek manufactures and sells roofing, waterproofing, and traffic surfacing materials and does not practice architecture or engineering.

Impermitek is not responsible for the performance or damage to its products caused by improper building design, construction flaws, or defects in workmanship. These guidelines should not be construed as being all-inclusive, nor should they be considered as a substitute for good application practices. This document and/or any other literature produced by or on behalf of Impermitek are offered for the purpose of guidance and must be evaluated and modified as required, by the Designer of Record and or applicator for each individual project.

The design and use responsibility of Impermitek products remains with the architect, engineer, roofing contractor, or owner. Please consult your design professional for more information. Impermitek's responsibility is limited to the terms and conditions of Impermitek's warranty, which takes effect only when issued in writing by Impermitek to the customer. Specimen warranties are available on request.