# PROFIX THIN / Z/4 / C/4 / S/4

**Profiles for LVT Floors**

## DESCRIPTION

**Profix Thin** is a professional solution for installing floating LVT floors ranging from 5/32" to 5/16" (4 to 8 mm), designed to accommodate expansion movements seamlessly. Composed of a PVC base profile and an aluminum top profile, the system can serve different functions:

- Profile for floors of the same height
- Profile for floors of varying heights, ensuring a seamless transition between uneven surfaces
- End profile for delineating the perimeter of LVT floors

Key features of the system include:

- An easy installation process.
- Slim top profiles for a streamlined appearance.
- Excellent dimensional stability.
- Suitability for floors with thicknesses ranging from 5/32" to 1/4" (4 to 6 mm).
- Availability in four anodized finishes and 24 finishes of aluminum coated in durable film.

## MATERIALS

### Anodized aluminum

These Al-Mg-Si profiles, heat-treated to T6 (6060 T6), are produced through extrusion and then anodized with a thickness of at least 15 µm. The external surface must be protected from scratches and rubbing. The profiles are highly resistant to chemical and atmospheric agents. However, it is important to note that when exposed to wet cement and its derivatives, they can produce alkaline substances that, if left untreated on the surface,

may corrode the metal and lead to the formation of aluminum hydroxide. Therefore, it is essential to delicately and thoroughly clean the visible surface of the profile from cements, mortars/adhesives, cleaners, caulks and other materials.

It is worth mentioning that continuous wear, especially when these profiles are used on flooring, can cause the anodized surfaces to wear down over time, resulting in the loss of their original finish. Regular maintenance and care are recommended to preserve the quality and appearance of the profiles. See the “Care and Maintenance” section below.

### Aluminum coated in a durable film

These Al-Mg-Si profiles, heat-treated to T6 temper (6060 T6), are manufactured through extrusion and then coated with durable film that reproduces the different tones and/or finishes of wood.

### Rigid PVC

These profiles are made of rigid PVC vinyl that is lead-free, shock-resistant and self-extinguishing. The compound is stabilized using an eco-compatible salt-based Ca-Zn stabilizer.

### General note on metals

Aluminum, AISI 304 stainless steel and AISI 316 stainless steel are not resistant to all chemical compounds, particularly aggressive ones like hydrochloric acid (HCl) and phosphoric acid ($H_3PO_4$). Cleaning products such as muriatic acid, ammonia, bleach and sodium hypochlorite – commonly used for cleaning natural-stone, ceramic and porcelain tiles – can damage the surface of these metals and may lead to intense corrosive reactions.

It is crucial to promptly and gently remove residues of cement, mortars/adhesives, cleaners, caulks and other materials from the surface of profiles to prevent damage. Additionally, if adhesive tape is used to mask the profiles, it should be removed within 1 hour to avoid any adverse effects.

## PRODUCT INSTALLATION

Use the following steps to install **Profix Thin.**

1. Remove the profile from the packaging and check that the thickness of the flooring you are installing matches the height of the selected **Profix Thin** base (refer to the label).
2. Remove any protective or thermo-shrink film covering the finish of the profile, if present.
3. Determine the necessary length and cut the profile to the required measurement using appropriate tools.
4. The base profile can be installed to the floor using one of two methods:

   a. A suitable adhesive. For this method, position the profile, leaving a space to insert the flooring and also for any expansion (about 3/16" or 4.5 mm). Then press down on the profile to push the previously leveled adhesive up through the holes in the lip, making sure that the area where the profile is to be placed is free of dirt and perfectly clean.

   b. Screws and plugs. For this method, position the profile and use a permanent marker to mark the exact position of the profile holes where holes should be drilled. Remove the profile and drill the floor in the exact positions that you marked previously, being careful to check the exact size of the plugs needed. Place the

plugs into the holes in the floor and replace the profile in the correct position, leaving the space needed to insert the flooring and room for any expansion (about 3/16" or 4.5 mm). Then use suitable screws to secure the profile, making sure that the area under and around the profile is perfectly clean.

5. Measure the length needed and cut the cover profile to be placed onto the base profile.
6. Place the top profile on the base, which is already in position. Using a rubber mallet, insert the top profile until it is fully aligned with the floor, being careful to not damage the cover during the installation.

## CARE AND MAINTENANCE

The care and maintenance of the materials used in the production of these profiles are closely tied to the type of alloy and finishing used. The following instructions outline the procedures for restoring the profile's original appearance as much as possible. These guidelines are intended to serve as general recommendations for cleaning, but they should be checked and applied on a case-by-case basis. It is important to note that there are specific responsibilities and guidelines for each stage of the product's life, starting from its installation.

### Aluminum

These profiles require minimal maintenance and can be easily maintained using colorless alcohol diluted in water or regular detergents, excluding acid-based products such as hydrochloric or hydrofluoric acid. Various commercial brands offer a wide range of detergents, generally classified into three types:

- Alkaline type
- Neutral type
- Acid type

For cleaning purposes, it is recommended to use a neutral detergent diluted in water and rinse with water only, using a sponge or non-abrasive cloth to avoid scratches or damage to the anodization, shine or varnish. During cleaning, the following precautions should be taken:

- Avoid using acid or alkaline detergents as they can damage aluminum.
- Avoid abrasive products or materials.
- Do not use organic solvents on painted surfaces.
- Do not use detergents with unknown chemical compositions.
- Do not apply detergents directly to the surface.
- Clean surfaces at a relatively low temperature (maximum temperature of 86°F or 30°C) and away from direct sunlight.
- Use cold detergents (maximum temperature of 86°F or 30°C) and avoid spraying it on the surface.

After cleaning, always rinse the treated area with water and dry immediately with a soft cloth or rag. Regular maintenance with polishing products is unnecessary.

Ensure quick and precise cleaning of the profile following the instructions on the product's packaging to prevent the accumulation of cement deposits, caulk or similar substances that could damage the surface layers.

### Aluminum coated in a durable film

These profiles require no specific maintenance and can be easily cared for using water-diluted alcohol or water-diluted normal detergents (excluding acid-based or alkaline-based detergents). After cleaning, rinse thoroughly with water only and use a sponge or nonabrasive cloth to prevent scratches or damage to the surface.

### PVC

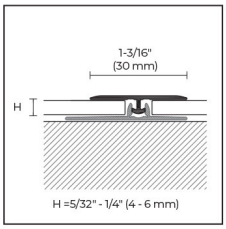
These profiles require no specific maintenance and can be easily cared for using colorless water-diluted alcohol or water-diluted normal detergents (excluding acid-based or alkaline-based detergents). After cleaning, rinse thoroughly with water only and use a sponge or nonabrasive cloth to prevent scratches or damage to the surface.

## FIRE-CONTROL MEASURES

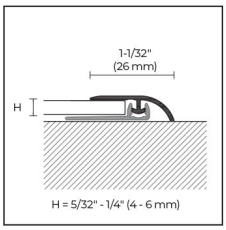
In case of fire, extinguish with fire-fighting chemical products, dry sand or solid fire-extinguishing agents.

## NOTE

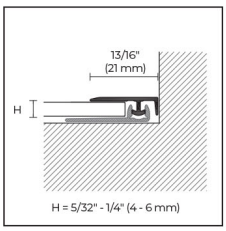
MAPEI profiles should be handled with care, and it is important to use suitable gloves to prevent cuts or injuries to the hands. The instructions provided here are based on our own experience and are for informational purposes only. It is crucial to confirm these instructions through practical experience. MAPEI will not be held responsible for any personal injury or material damage resulting from improper use of the product. The user is responsible for determining if the product is suitable for the intended task and must also assume responsibility for any incorrect installation of the material.




Z/4 + PT/4




C/4 + PT/4/SA




S/4 + PT/4/SA

**PROFIX THIN**

Length = 8' 10" or 270 cm / 20-piece package / for floor thicknesses 5/32" to 5/16" (4 to 8 mm)

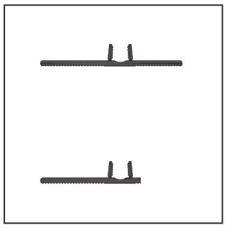
| ALUMINUM covered with durable film | Z/4 | C/4 | S/4 |
|---|---|---|---|
| 1003 | 85101 | 85201 | 85301 |
| 1006 | 85102 | 85202 | 85302 |
| 1009 | 85103 | 85203 | 85303 |
| 1012 | 85104 | 85204 | 85304 |
| 1021 | 85107 | 85207 | 85307 |
| 1024 | 85108 | 85208 | 85308 |
| 1030 | 85110 | 85210 | 85310 |
| 1033 | 85111 | 85211 | 85311 |
| 1036 | 85112 | 85212 | 85312 |
| 1042 | 85114 | 85214 | 85314 |
| 1045 | 85115 | 85215 | 85315 |
| 1051 | 85117 | 85217 | 85317 |
| 1054 | 85118 | 85218 | 85318 |
| 1057 | 85119 | 85219 | 85319 |
| 1060 | 85120 | 85220 | 85320 |
| 1063 | 85121 | 85221 | 85321 |
| 1066 | 85122 | 85222 | 85322 |
| 1069 | 85123 | 85223 | 85323 |
| 1081 | 85127 | 85227 | 85327 |
| 1084 | 85128 | 85228 | 85328 |
| 1090 | 85130 | 85230 | 85330 |
| 1105 | 85135 | 85235 | 85335 |
| 1108 | 85136 | 85236 | 85336 |
| 1111 | 85137 | 85237 | 85337 |
| **$/pc** | | | |

Individually packaged

**PROFIX THIN**

Length = 8' 10" or 270 cm / 20-piece package / for floor thicknesses 5/32" to 5/16" (4 to 8 mm)

| Item | Z/4 | C/4 | S/4 |
|---|---|---|---|
| **Finish** | | | |
| **ANODIZED ALUMINUM** | | | |
| Silver | 85050 | 85060 | 85070 |
| **$/pc** | | | |
| Gold sand | 85052 | 85062 | 85072 |
| Titanium | 85054 | 85064 | 85074 |
| **$/pc** | | | |
| Bronze elox | 85056 | 85066 | 85076 |
| **$/pc** | | | |

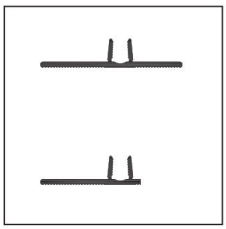


PT/4
PT/4/SA

**PROFIX THIN – BASES**

Length = 8' 10" or 270 cm / 20-piece package / for floor thicknesses 5/32" to 1/4" (4 to 6 mm)

| Item | PT/4 | PT/4/SA |
|---|---|---|
| **Finish** | | |
| **PVC** | | |
| Green | 85081 | 85083 |
| **$/pc** | | |

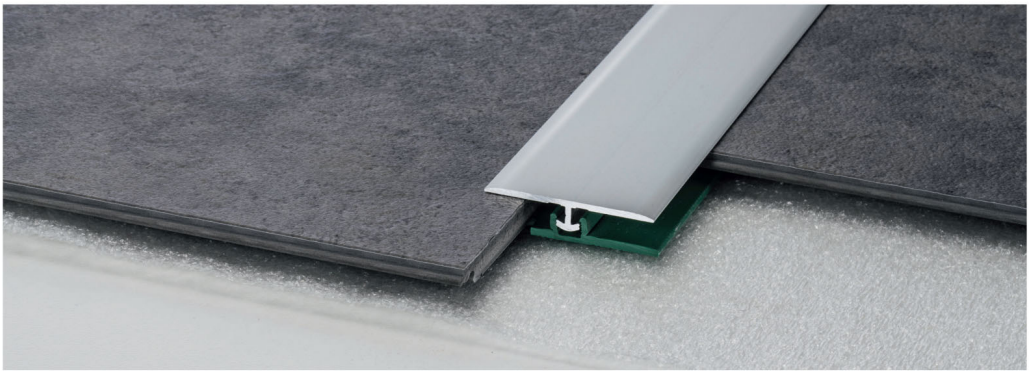


PT/6
PT/6/SA

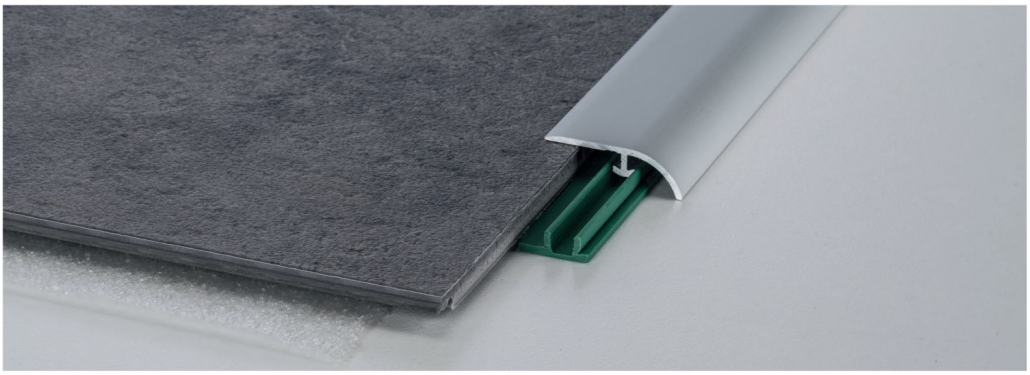
**PROFIX THIN – BASES**

Length = 8' 10" or 270 cm / 20-piece package / for floor thicknesses 1/4" to 5/16" (6 to 8 mm)

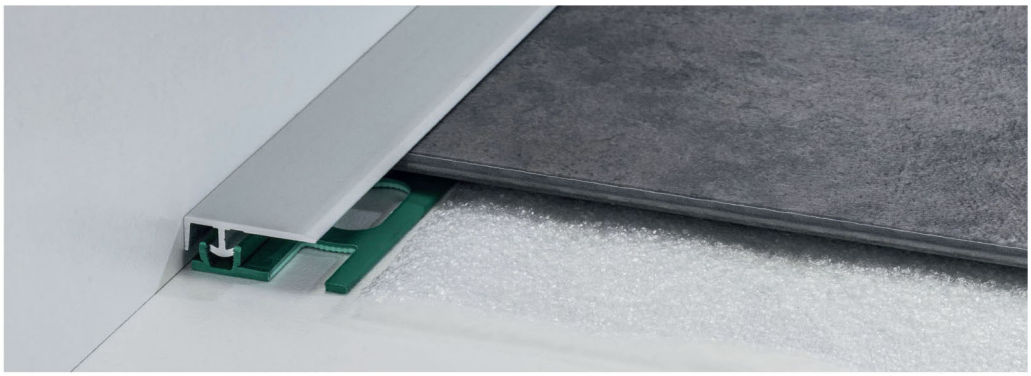
| Item | PT/6 | PT/6/SA |
|---|---|---|
| **Finish** | | |
| **PVC** | | |
| Green | 85086 | 85088 |
| **$/pc** | | |



Z/4 + PT/4



C/4 + PT/4/SA



S/4 + PT/4/SA

## ADDITIONAL INFORMATION

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

## WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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