

Guidelines for Fix and Float of TORLYS Smart Floors

These guidelines are in addition to, not in lieu of, the current installation instructions for the product being installed. Refer to the primary installation instructions for full details on conditions and procedures. Not to be used in conjunction with Cabinet Installation Guidelines without express approval from TORLYS.

TORLYS Smart Floors are designed to be installed as floating floors, which typically are not pinned. When “fixing and floating” a TORLYS Smart Floor, normal expansion and contraction of the flooring must still be allowed to occur. Aside from the section of floor that is fixed in place, expansion space must be observed around the balance of the perimeter, and at all vertical obstructions.

Fixing the flooring at one point and pinning it at another will cause the same corresponding problems as insufficient expansion/contraction space, such as (but not limited to) buckling, gapping, peaking and damage to the joint system. Failure to accommodate the natural movement of the floating floor system will void TORLYS warranties. To ensure this normal dimensional change is accommodated, please carefully review, and adhere to the following recommendations:

1. When gluing the Flush Nosing or Smart Step at the top of the stairs, the flooring product itself must also be glued 12” (30 cm) to 16” (40 cm) out from the nosing or step. The balance of the flooring is allowed to float.
2. To accommodate the dimensional change that naturally occurs with changes in the interior environment, the expansion space opposite where the flooring has been “fixed” with adhesive must be increased; TORLYS recommends doubling the recommend expansion for vinyl products to ¼” and increasing expansion for HDF Smart Core products and ERV products by 50% to ¾”.

3. Since “fixing” the floor will limit movement of all weight to one direction, the maximum span must be reduced by half for HDF Smart Core products. Maximum spans for EW/ET, RW/RT, and UW products remain unchanged.
4. Acclimate the floor to the ambient interior environment (“lived in” conditions, typically 40 – 60 % relative humidity and 60 to 70° F [16 - 21° C]) for 48 hours before installation. Maintain the interior environment within +/- 20% of the ambient relative humidity and within +/- 10° F (5° C) of ambient temperature to minimize dimensional change after installation*.
5. For products with an HDF Smart Core, an elastomeric urethane-based adhesive, such as Mapei Eco 980 or equivalent, must be used. For all other products, TORLYS Smart Glue can also be used*.

**3-season applications have specific parameters outside of these temperatures. Refer to TORLYS Technical Bulletin for 3-season applications for details.*

*For TORLYS RW/RT with FoamPlus Blue and UW with IXPE foam backing, **only** TORLYS SmartGlue can be used.

NOTE: for full spread installations of TORLYS Smart Floors, the recommended adhesive indicated in the primary installation instructions should always be used. Expansion space must still be observed.

The TORLYS “Fix and Float” guidelines apply to TORLYS Smart Floors, featuring the Uniclic® locking system. This solution is *not recommended* for products utilizing other locking systems unless otherwise stated in the product’s installation instructions.

Refer to the chart below for examples the maximum span and increased expansion requirements when using the Fix and Float method.

Product	Normal Max Span	F&F Max Span	F&F Expansion	Adhesive
Everest XP	50' x 50'	25' x 25'	¾"	Eco 980 Eco 995
CorkWood XP	50' x 50'	25' x 25'	¾"	Eco 980 Eco 995
TORLYS Smart Laminate	50' x 50'	25' x 25'	¾"	Eco 980 Eco 995
EverWood / EverTile	80' x 80'	80' x 80'	¼"	Eco 980 Eco 995 or Smart Glue
RigidWood / RigidTile	70' x 70'	70' x 70'	¼"	Smart Glue
UltraWood	80' x 80'	80' x 80'	¾"	Smart Glue

Fix and Float Adhesive Considerations and Recommendations

TORLYS Smart Laminate

When using the “fix and float” method on TORLYS Smart Laminate with an attached pad, the attached pad **MUST** be removed in the “fixed” area of the floor. Use either Mapei Eco 980 or 995 with the appropriate trowel (noted in the chart below) in the “fixed” portion of the floor to compensate for the thickness of the underlay in the “floated” floor.

Product	Pad	Pad Thickness	Trowel Size (D x W x S)	Approx. Coverage
Laminate without attached pad	3 in 1 Acoustic	1/8" (3.2 mm)	¼" x ¼" x ¼" square notch	30-40 SF/GAL
Laminate without attached pad	Safe & Sound	2.2 mm	⅛" x ¼" x ¼" square-notch	40-50 SF/GAL
Laminate without attached pad	Cork Natural	2.5 mm	⅛" x ¼" x ¼" square-notch	40-50 SF/GAL
Laminate with 2 mm attached pad	N/A	N/A	3/16" x 5/32" V-notch	45-55 SF/GAL

Trowels/Coverage for other Smart Floors

Mapei Eco 980 & 995		
Flooring Product	Trowel Size	Approximate Coverage
Everest XP	⅛" x ¼" x ¼" square-notch	40-50 SF/GAL
Cork XP / CorkWood XP	3/16" x 5/32" V-notch	45-55 SF/GAL
EverWood/EverTile	3/16" x 5/32" V-notch	45-55 SF/GAL

SmartGlue	Porous Subfloors		Non-porous subfloors	
Flooring Product	Trowel Required	Coverage	Trowel Required	Coverage
EverWood/EverTile	1/16" x 1/16" x 1/16" square notch	125-150 SF/GAL	1/16" x 1/16" x 1/16" V-Notch	165-200 SF/GAL
RigidWood/RigidTile	1/16" x 1/16" x 1/16" square notch	125-150 SF/GAL	1/16" x 1/16" x 1/16" V-Notch	165-200 SF/GAL
UltraWood	1/16" x 1/16" x 1/16" square notch	125-150 SF/GAL	1/16" x 1/16" x 1/16" V-Notch	165-200 SF/GAL