

U.R.A.S Installation Instructions

for resilient homogeneous and cushioned vinyl floor coverings

Suitable new floor coverings

suitable:

- homogeneous vinyl, cushioned vinyl in sheets, solid vinyl tiles
- ESD conductive or ESD static dissipative sheet or tiles vinyl

not permitted:

- rubber floor coverings in sheet or tiles
- Vinyl composition tiles (VCT) (dust from backing kills adhesive)
- linoleum
- cork

Suitable existing sub-floors

Suitable:

- solid vinyl sheet or tile
- vinyl asbestos and vinyl composition tile
- cushioned vinyl chipboard (primed)
- concrete and troweled raw floors (prepared with dispersion primer for dust resistance)

Suitable with Limitations

- wood and parquet (telegraphing, potential adhesive residues!!)
- stone tiles (telegraphing surface structure!!)
- cushioned floor coverings (seams may telegraph!!!)
- extruded vinyl flooring (shrinkage!!!)
- smooth old adhesive, cutback adhesive or bituminous floors (may penetrate and stain new floor covering unless covered with gray Portland cement trowel compound!!!)
- marble and natural stone (telegraphing, potential adhesive residues!!!)
- studded or structured floor coverings (telegraphing!!!)
- rubber door coverings in tile or sheet (mold release, self waxing coating repel sigaway* adhesive!!)

Not Permitted

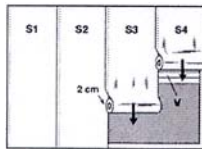
1. installation in areas with moisture exceeding 2.5% by carbide method or 3-5lb./1000 sft. by calcium chloride method
2. On-grade or below grade installations when a moisture film barrier in the concrete is not provided

(!!!) denotes CAUTION

Condition of existing floor

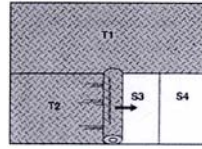
1. **The subfloor (old floor covering) must be smooth and even, without cracks and may not be brittle (telegraphing!!!).** Soft surfaces (e.g. carpets!!!) are unsuitable.
2. **Old floor covering must be firmly glued to the subfloor in all areas and may not be loose.** If the existing floor covering is damaged or worn in local areas, cut open, glue loose sections, repair with junk tile or floor covering of same gauge and density. Alternately fill holes or cracks with gray Portland cement based troweled compound. Gypsum leveling compounds are not permissible (dust!!!).
3. **Residual moisture of surface.** Same requirement as for direct glue down. The national regulations are applicable (e.g. B.S. 5325 and B.S. 8203)
4. **Subfloors must be vacuum-clean, and must be dust, oil and wax free.** Normal stains (drink stains, etc.) need not be cleaned.
5. **General**
Installations should conform to the general requirements of applicable national standards (such as B.S. 5325 and B.S. 8203)

Installation with URAS



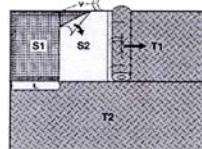
1. Install URAS

- Install URAS over the total surface sheet by sheet, (e.g. **S1** to **S4** with overlapping of 2 cm (approx. 1") until the surface is completely covered. Roll out well.
- URAS sheet to be installed in the opposite direction to the floor covering width **T1**, **T25**. Directly before laying the floor covering cut Sigaway with double cut.
- New coverings should be installed within two hours of rolling out She URAS (prevent soiling and absorption of moisture!!!).



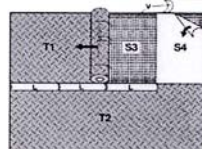
2. Roll out floor covering

- Roll out floor covering sheet **T1** and **T2** over URAS **S1** to **S4**.
 - Cut to slightly oversized sheets
- Note:** Process the floor covering according to the manufacturer's instructions. Condition for 24 hours at a room temperature of 65° F (18°C).



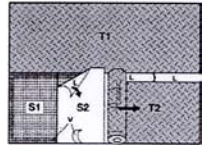
3. Glue first half of floor covering sheet T1

- Fold or roll back first half of floor covering sheet **T1** to the middle.
- Pull back the release paper from the uncovered URAS **S1** and **S2**.
- Trim release paper by approx. 10 cm (4") from the edge of the floor covering **T2** and fold over tab **L**.
- Install folded-back half of floor covering sheet **T1** on to the exposed URAS. **S2** and **S1** stress- and wave-free. Smooth out bulges to the outside by hand.



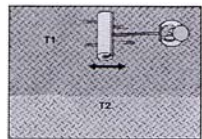
4. Install second half of floor covering T1

- Fold or roll back second half of floor covering sheet **T1** to the middle.
- Pull back the release paper from the uncovered URAS **S3** and **S4**.
- Trim release paper by approx. 10 cm (4") from the edge of the floor covering **T2** and fold over tab **L**.
- Install folded-back half of floor covering sheet **T1** on to the exposed URAS. **S3** and **S4** stress- and wave-free. Smooth out bulges to the outside by hand.



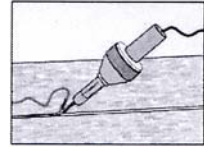
5. Finish installation of floor covering T2

- Same procedure as under Fig. 4 and Fig. 5
- To remove the release paper just pull tabs **L**.



6. To finish, even out well

To finish, feather out all air under the vinyl sheet with a cork smoother, working from the center of the rolls to the edge. Roll installation with 100-125 lb.



- Homogeneous or solid vinyl sheet may be hot-air welded immediately (check with manufacturer if cold welding or chemical welding is permissible). Weld for dimensional stability, sanitation, and to protect for moisture from above (!!!). Solid vinyl tile should be seam sealed for dimensional stability and to protect for moisture from above (!!!).

Tips & Tricks



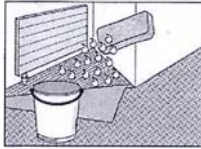
1. Quick installation of URAS sheet

Two-Person method

- Unroll URAS approx. 1 meter (3-4 ft.) and accurately align.
- The first person walks backward with the URAS roll and at the same time dispenses the URAS.
- The second person walks on the unrolled URAS and at the same time evens it out with a broom.

One-Person Method

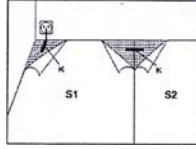
- Unroll and accurately align approx. 1 meter (3-4 ft.) URAS.
- With the URAS roll walk backward, at the same time unrolling the URAS
- Even out URAS well with the broom.



2. Water trick

After the paper is pulled off and before the floor covering is installed, parts of URAS can be moistened with some water sprinkling or water spray. Then install the floor covering on the moist URAS. The adhesion force will be neutralized for a few minutes so that the floor covering is not fixed immediately.

Important for seaming, flash coving or fitting flooring under furniture, cabinets, shelving etc.: The water evaporates within minutes and the adhesion power recovers fully. Then fold down the floor covering again.



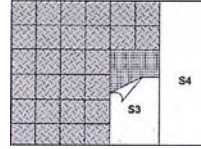
3. ESD Static Dissipative or Conductive installations

• URAS -electronic is effective only if the flooring, material itself is ESD Dissipative or ESO Conductive and features an internal straight conductive path to an integral conductive backing

First connect the individual URAS -electronic sheet with the accompanying copper strip K (copper side facing down ward), then pull off paper.

- Only two ground connections per room must be made (However, local codes or owner's specifications may require up to 1 additional ground per 1000 sft (100m²)). Pull back release paper 10 cm (4"). Apply copper strip and connect to ground.

Note: The network of graphite conductive yarns in URAS electronic can telegraph through the surface of most ESD conductive resilient vinyl or tile flooring and may be objectionable under some lighting conditions.



4. Installation of solid vinyl tiles

- To make the chalk line mark directly on the URAS or in the case of a light surface make the mark directly on the old surface before rolling out the URAS. The mark is then visible through the URAS
- When installing the tiles pull as much paper off the URAS as is immediately required for laying the tiles.
- To provide access to a raised floor or trench cover, individual tiles or row's of tiles can be lifted at any time together with the URAS: For this purpose run the knife along the edge of the tiles and cut the URAS on the floor. Then lift the tiles together with the URAS. Each tile can be replaced with the original URAS.
- Solid vinyl tiles should always be welded (moisture from above, dimensional stability!!!).

Limitations

1. Do not use URAS on stairs or walls.
2. On removal of a floor covering installed with URAS at a later time adhesive residues can remain behind on the covered surface. URAS is therefore not suitable for installation on existing floor coverings which are to be reused in their original condition.
3. Installation Temperature: Building, flooring and URAS must be conditioned and installed at above 65°F (18°C.)
4. Suitability for casters, rolling cart traffic: Both the old and the new floor covering must be suitable for castor chairs. The old floor covering must be completely glued down.
5. URAS is not suitable for outdoor installations or installations on moist sub-floors (!!).
6. URAS cannot provide stability to dimensionally unstable or shrinking products (!!!).
7. All applications which are not specifically covered by these installation instruction dated Feb. 03, 1997 are at the user's risk.

Important: Specific working conditions, unpredictability of sub-floor conditions and the variety of different materials which may be installed will always require adequate trial installations by the customer for specific applications.