

# Installation Instructions

# Sigaway®

## Dry Installation Method

Cover and use existing floors - instead of demolishing old floors

For resilient homogeneous and cushioned vinyl floor coverings

### Information regarding suitability

#### New Floor coverings

##### Suitable:

- Homogeneous vinyl, cushioned vinyl in sheets, solid vinyl tiles
- LVT (luxury vinyl tiles)
- ESD conductive or ESD static dissipative sheet or solid vinyl tiles

##### Not guaranteed:

- Rubber floor coverings in sheet or tiles
- Vinyl composition tiles (VCT) (dust from backing kills adhesive)
- Linoleum
- Cork

#### Suitable existing sub-surfaces

##### Suitable:

Structurally sound and wax free:

- Solid vinyl or cushioned vinyl
- VAT (vinyl asbestos tile)
- VCT (vinyl composition tile)
- Epoxy asbestos
- Poured epoxy floors
- Smooth rubber floors
- Linoleum
- Chipboard (prepared with film forming dispersion primer for dust resistance)
- Concrete and troweled raw floors (prepared with film forming dispersion primer for dust resistance)

##### Not guaranteed:

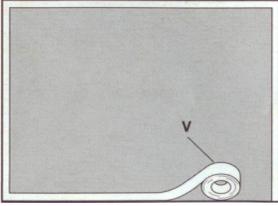
- Sub-floors with >3.0lb/1000 sft moisture emission by calcium chloride test
- On-grade or below-grade installations when a moisture film barrier in the concrete is not provided
- Wood and parquet (telegraphing, potential adhesive residues!!!)
- Stone tiles (telegraphing surface structure!)
- Cushioned floor coverings (seams may telegraph!)
- 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 stone adhesive residues!)
- Dusting troweled leveling compounds unless gray Portland cement with acrylic binder

### Preparing the sub-surface

1. **The sub-floor or old floor covering must be dust free, level, smooth and even (prevent telegraphing), without cracks, and may not be brittle.** Soft surfaces i.e. carpet are not suitable as a substrate for resilient floors.
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. Alternatively fill holes or cracks with troweled leveling compounds, based on gray Portland cement with acrylic binder. Avoid one part "add water only" compounds. Gypsum leveling compounds are not permissible (dust!).
3. **Condition sub-floor, floor covering and Sigaway® for at least 6-12 hrs. at >68 F (>18 C).**
4. **Residual moisture of subfloor: same requirement as for direct glue down with conventional adhesives <3.0 lb/1000 sf.**
5. **Sub-floors must be vacuum-clean, and must be dust, oil, wax free.** Normal stains (drink stains etc.) need not be cleaned.
6. **General**

Installations should conform to the general requirements of applicable national standards (such as B.S. 5325, B.S. 8203; ASTM S 710; CRI C104 and CRI C105).

## Installing the Sigaway®



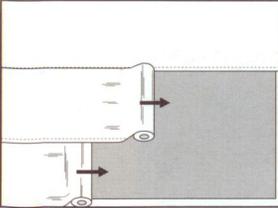
**1**

### Stick SUPERTape 7900 construction tape to the floor

- For the edge/wall areas, stick a strip of the double-sided SUPERTape 7900 construction tape (V) onto the covering sub-surface.

**Attention**

*Only use plasticizer resistant SUPERTape 7900 construction tape.*



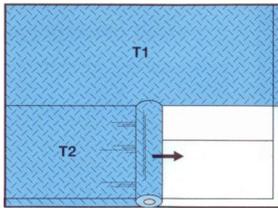
**2**

### Lay the Sigaway®

- Lay the Sigaway® run by run with a 1" (2 cm) overlap in the running of working direction, and rub in well.
- Cut back Sigaway® to a butt-joint along the runs and SUPERTape 7900 (double cut is possible).

**Attention**

*Only lay as much Sigaway® as the floor covering that will be laid on the same day.*



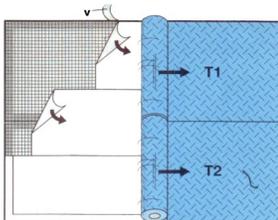
**3**

### Roll out floor covering

- Temperature condition the floor covering to >68° F (18° C).
- Roll out floor covering sheet T1 and T2 over Sigaway®.
- Cut to slightly oversized sheets. Process the floor covering according to the manufacturer's instructions.

**Attention**

*Never cut through the Sigaway®.*



**4**

### Sticking down the floor covering runs T1 & T2

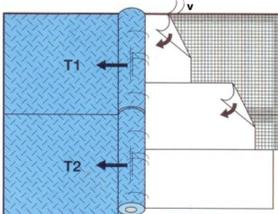
**5**

- Roll back the floor covering runs T1 and T2 to the middle in the direction of the run.
- Remove the SUPERTape 7900 construction tape protective paver. (V)
- Pull the protective paper away from the Sigaway® flat and straight up to the folded-back floor covering (lower run first).
- Cut off the removed release paper except for a 4" (10 cm) balance and fold under the folded back covering to form a flap.
- Stack the protective paper together and pull up (to minimize) waste volume).
- Lay the first run free from tension and bulges and rub in.

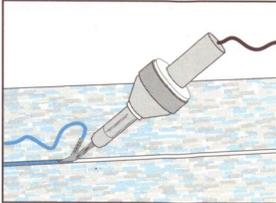
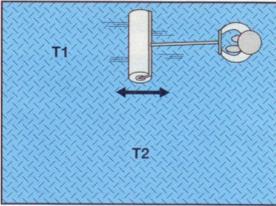
**Attention**

*Always pull the protective paper from the underlying Sigaway® first.*

- *Fold back the second half of the floor covering run and pull off the remaining protective paper with the aid of the flap.*
- *Lay the floor covering, rub in and cut the edges to match.*



## Installing the Sigaway® *continued*



# 6

### To finish, even out well

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



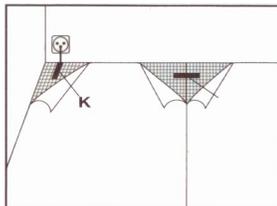
### 1. Quick installation of Sigaway® sheet

#### Two-Person method

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

#### One-Person method

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

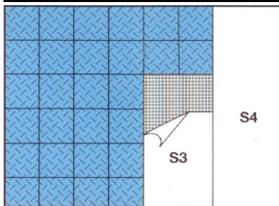


### 2. ESD Static Dissipative or Conductive Installations

- Sigaway®-Electronic is effective only if the flooring material itself is ESD Dissipative or ESD Conductive and features an internal straight conductive path to an integral conductive backing.
- First connect the individual Sigaway®-Electronic sheets with the copper tape **K**, copper facing down, then remove the backing paper. (SIFLOOR copper tape is provided with each roll of Sigaway®-Electronic).
- Two or more grounding connections per area are recommended. (However, local codes or owner's specifications may require up to 1 additional ground per 1000 sft (100 m<sup>2</sup>)). Pull back release paper 10 cm (4"). Apply copper strip and connect to ground.

#### Note

The network of conductive yarns in Sigaway®-Electronic can telegraph through the surface of most ESD conductive resilient vinyl or tile flooring and may be objectionable under some lighting conditions.



### 3. Installation of solid vinyl tiles and LVT

- To make the chalk line mark directly on the Sigaway® or in the case of light surface make the mark directly on the old surface before rolling out the Sigaway®. The mark is then visible through the Sigaway®.
- When installing the tiles pull as much paper off Sigaway® as is immediately required for laying the tiles.
- To provide access to a raised floor or trench cover, individual tiles or rows of tiles can be lifted at any time together with Sigaway®: For this purpose run the knife along the edge of the tiles and cut the Sigaway® on the floor. Then lift the tiles together with the Sigaway®. Each tile can be replaced with the original Sigaway® if no dust is involved.
- Solid vinyl tiles should always be welded (moisture from above, dimensional stability!) otherwise new Sigaway® must be used.
- LVT do not need welding.

## Limitations

1. Do not use Sigaway® on stairs or walls.
2. Removal of a Sigaway® installation at a later date can result in adhesive and flooring material residues on the old floor. This is likely if the flooring Sigaway® is weak or has turned brittle, or if backings separate from the flooring. There is a possibility of chemical bond of migrated plasticizer from vinyl flooring through Sigaway® to acrylic coated surfaces, such as wood. Sigaway® is therefore not suited for use over original floor coverings that are intended to be re-used in their original condition.
3. Installation temperature: Building, flooring and Sigaway® 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 caster chairs. The old floor covering must be completely glued down.
5. Sigaway® is not suitable for outdoor installations or installations on moist (>3.0 lb/1000 sf) sub-floors!!!
6. Sigaway® cannot provide stability to dimensionally unstable or shrinking products!
7. All applications which are not specifically covered by these installation instructions dated May, 2008 are at the users risk.
8. Vinyl flooring installed with Sigaway® over wood, plywood, or chipboard may form a permanent bond.

#### Note

**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.**

These instructions are subject to revisions without prior notice due to new findings and practical experience. The installer should check with the Sigaway® distributor for specific flooring types, subfloor conditions, and updated installation instructions prior to purchase and installation. The installer or project owner should check with the provider of the selected solid vinyl or cushioned vinyl flooring materials that their respective products are suitable for installation with Sigaway®.

#### For U.S.A., Canada, UK

SIFLOOR AG, Tek Stil Concepts, Inc. and THG, are the sellers of materials only. The information and statements contained in these installation instructions are believed to be correct and to represent the current state of art. However, since the seller has no control over method of application, dryness of building, presence of moisture barriers, environment where used or surfaces to which the products are applied, there is no express or implied warranty for completed installation. The seller declines responsibility for labor cost for removal or reinstallation of defective installations, for freight charges, or for consequential damages. In no event is seller responsible if inappropriately stored, soil or water damaged materials or materials with visible defects are installed. It is solely the responsibility of the purchaser / installer to determine that the materials are fit for their particular purpose. Prerequisite for sale of our products is that the buyer purchases at his own risk and conducts installation tests prior to making a large installation, with no liability to us.

This version of the Installation Instructions (August 2008) is the only valid version, and replaces all earlier variants.