



INSTALLATION / MAINTENANCE GUIDELINES **NEXT STEP WALKSOFT LVT FLOORING**

SQUARE CUT SIZES:

- **18.5" X 37" PLANK**
- **37" X 37" TILE**



Square Cut Glue Down Installation



Reg # SCS-FS-02144

This products WalkSoft backing has been certified by SCS to meet the rigorous indoor air quality requirements of the FloorScore® certification program.

The following pages are guidelines only... please read this manual thoroughly before installing Dinoflex Recycled Rubber Surfacing products.

Tel: (250) 832-7780 Fax: (250) 832-7788 Toll Free Tel: (877) 713-1899

TABLE OF CONTENTS

<u>SECTION</u>		<u>PAGE</u>
PRODUCT		
I	MATERIAL STORAGE & HANDLING	3
II	TOOLS & ACCESSORIES	4
INSTALLATION		
III	BEFORE STARTING INSTALLATION	4-5
IV	PREPARATION OF SUB-SURFACE	5
V	INSTALLATION OF SQUARE CUT TILES or PLANKS	6-7
MAINTENANCE		
VI	CLEANING & MAINTENANCE	8
GENERAL		
VIII	WEIGHTS & MEASURES	9

SECTION I

MATERIAL STORAGE & HANDLING

General packaging information:

All Dinoflex products are packaged on wooden pallets, covered with a plastic hood, and secured by steel strapping with edge protectors.

On Receipt of Merchandise:

A) The product in front of you has gone through several quality assurance checks. However, it is recommended that you double-check that your order is correct, that no damage occurred during transport, and for any other possible shortcomings.

For your own protection, ensure that defective product is identified prior to the start of the installation.

Please note that Dinoflex is not responsible for any installation costs that occur as a result of defective product being installed.

B) If adhesives were exposed to freezing temperatures, place indoors and bring to room temperature between 65°F (18°C) and 72°F (23°C) before using. Read technical data sheets and MSDS sheets for adhesive. Check adhesive cans for damage that may have occurred during transit.

Dinoflex DinoGrip adhesive has a 12 month shelf life. If shipment has been stored for an extended time, see Batch label on can and refer to decoding instructions included with data sheet to confirm adhesive has not exceeded its shelf life.

Dinoflex is not responsible for expired adhesive used at the time of installation.

C) Storage

Store tiles in a dry and clean area. Temperature and humidity changes will cause the rubber backing to expand or contract.

D) Installation after short term storage

At least 48 hours before starting the installation lay out all tiles on the sub-

surface to allow them to acclimate. A tile laid in the morning hours at 32°F (0°C) would be a different size than a tile laid at 68°F (20°C) later in the day. Acclimation is complete when the products have reached their specified dimensions. Refer to the Weights and Measures chart at the back of these guidelines. Short term storage should be considered as two weeks or less.

E) Installation after prolonged storage

During prolonged storage, the tiles in the lower portion of the stack will compress to a greater degree than those in the upper portion. This will show as thickness variations in the products taken from the top of the pallet as compared to those on the bottom. Product dimensions (length and width) may also be affected. A longer acclimation time will be required for product that has had a longer storage time. Exactly how long is difficult to predict and may take anywhere from 72 hours. The product should be taken off the pallet and distributed throughout the installation area in small piles consisting of two or less.

F) It is important to keep a clean working surface at all times. Protect tiles or planks from dust and dirt. Install only after all other trades are completed.

G) Keep Dinoflex Next Step WalkSoft LVT Flooring dry. Moisture will cause adhesion problems.

H) Petroleum distillates (e.g. solvents) as well as liquid animal fats may cause the surface bonding to fail. Test results for other harmful chemicals and compounds may be available on request.

SECTION II

TOOLS & ACCESSORIES

A) Tools and safety equipment required

- Dinoflex Installation Guidelines
- Safety glasses

- Heavy duty utility knife - Suggested product: CH Hanson Speed Rocker SS, 3 position, fixed blade knife (www.chhanson.com)
- Measuring tape
- Transit level and Straight edge
- Caulking gun, if needed to adhere reducer strip
- Chalk snap-line
- Drill and mixer for adhesive
- V-notched trowel 1/16" (1.6 mm)
- Carpenter's square
- Rubber boots & gloves

C) Adhesive

IMPORTANT: If adhesive other than the products noted below is used, these installation guidelines may not apply. Contact adhesive manufacturer for specific guidelines for WalkSoft LVT Flooring.

Dinoflex recommended adhesives:

1) Dinoflex DinoGrip (V.O.C. compliant)

- Single component, polyurethane adhesive.
- 4 gallon pail: 54.6 lbs (24.76 kg)
- Approximate coverage: 300 sq.ft. (28 m²) per pail

2) Roberts RB40 Adhesive (V.O.C. compliant)

- Copolymer rubber adhesive
- 825 ml gun grade: 1.74 lbs (27.9 oz tube)
- Approximate coverage:
 - 1/4" (6 mm) bead = 90 lineal feet
 - 3/8" (10 mm) bead = 40 lineal feet

It is not uncommon for a moisture cured urethane product, such as Dinoflex DinoGrip to develop a slight skin on the top surface of the product. The slight skinning can be the result of product getting older, or in the case of newer product, perhaps a poor seal in the lid. Regardless, the product is still good; simply trim the skin and discard. In the case of older product, a thicker skin may have developed, and the viscosity of the overall product may have thickened; making the

application a bit more difficult, in most cases it will still perform.

For detailed information and product use, refer to Dinoflex DinoGrip product Data Sheet, included with adhesive.

Note: Dinoflex DinoGrip has a 12 month shelf life. See Batch label on can and refer to decoding instructions included with data sheet. Dinoflex is not responsible for expired adhesive used at the time of installation.

SECTION III

BEFORE STARTING THE INSTALLATION

Ensure all other trades are completed work prior to installing Dinoflex Next Step WalkSoft LVT Flooring. In cases where other trades may access the installation area, the use of parchment paper should be used to protect the Next Step WalkSoft LVT Flooring from damage and debris.

Dinoflex is not responsible for any product failure if proper floor preparation and/or installation procedures are not followed.

A) Temperature: Flooring and sub-floor room temperature should be between 65°F (18°C) and 85°F (29°C). Maintain proper temperature for 48 hours before and after installation. After that, maintain a minimum 55°F (13°C) degree temperature. The building's heating and air-conditioning system should be turned on at least one week before installation. Failure to follow these guidelines may result in an installation failure (i.e. flooring may expand or contract resulting in gapping or buckling).

B) HVAC

Air conditioning is recommended whenever possible and at comfortable levels as moisture is removed constantly and this will provide for a drier atmosphere that affects the adhesion to the sub-floor favorably. However in hot and humid climates the air conditioning can cause condensation in the floors so that the subfloor must have a

moisture barrier beneath the slab or in the crawl space.

SECTION IV

PREPARATION OF THE SUB-SURFACE

The sub-surface must be level, clean, and dry. Remove all old adhesive. A rough or uneven sub-surface will result in an uneven installation.

A) Concrete sub-surfaces

New concrete sub-surface must be thoroughly cured and free from hydrostatic pressure before rubber tiles are installed (a minimum of 28 days after pour). Consult adhesive specifications for allowable moisture tolerance.

The sub-surface must be smooth and level to a tolerance not exceeding 1/8" in 10 lineal feet. If existing concrete is too rough, or does not meet the above criteria, apply a portland cement based leveling compound to smooth and level the surface. Follow all leveling compound manufacturers' instructions.

It is vital that a moisture test be completed prior to floor installation, and that sub-surfaces are cured and dry to acceptable levels. Concrete substrates should not exceed 65 percent RH and/or 3 lbs. x 24 hrs x 1000 sf. Moisture vapor emissions rate tested in accordance to ASTM F 2170 and ASTM F 1869. Moisture is the single most significant factor that causes bonding failure to the sub-surface.

B) Wooden sub-surfaces

- New plywood should be acclimatized for a 48-hour period prior to installation of the rubber flooring.
- CDX exterior smooth one side suggested for new wood substrates.
- Secure all nails to prevent future protrusion.
- Any cracks, holes, and rough or uneven areas should be patched with good

quality cement based leveling compound.

SECTION V

INSTALLATION OF LVT SQUARE CUT TILES OR PLANKS

Important: See Section I, (D) and (E) regarding acclimation of tiles. Visually inspect all tiles or planks for visible defects. Ensure that defective product is identified prior to the start of the installation, set these aside and notify dealer immediately with information of any defects found.

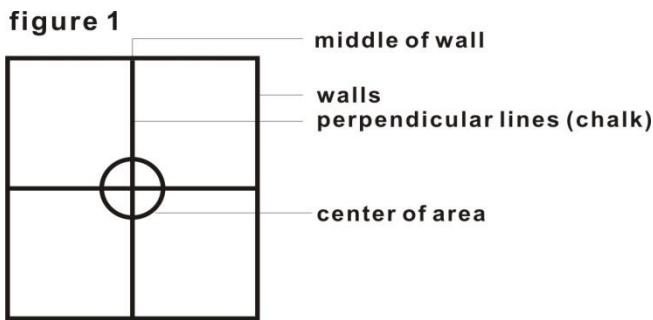
Glue down installation is required for all square edge tiles or planks.

1. ARRANGING THE TILES

For best results, the room temperature in the area of installation must be 65-85° F for 48-72 hours before, during, and after installation. Flooring must be acclimated in the room they are to be installed in for a minimum of 36 to 72 hours prior to installation. Be sure to mix tiles from several different pallets to blend minor shade variations. If the Next Step WalkSoft LVT Flooring Tile or Plank has directional stickers follow accordingly. If not, lay the tile and/or planks keeping the embossing of the product flowing in the same direction. **Note: All Warranties and guarantees regarding the suitability and performance of any products, if not supplied by Dinoflex, rests with the material manufacturer or the installation contractor and not with Dinoflex Group LP.** Install following standard methods of measuring and laying out and cutting vinyl flooring. Leave an expansion gap of at least 1/4 inch against the wall that is covered by moulding. Stagger Planks do not align end Joints next to each other and make sure to have all arrows on the underside of the plank or tile in the same direction for install as shade variation may occur if these instructions are ignored. Roll Floor with 100 LBS roller.

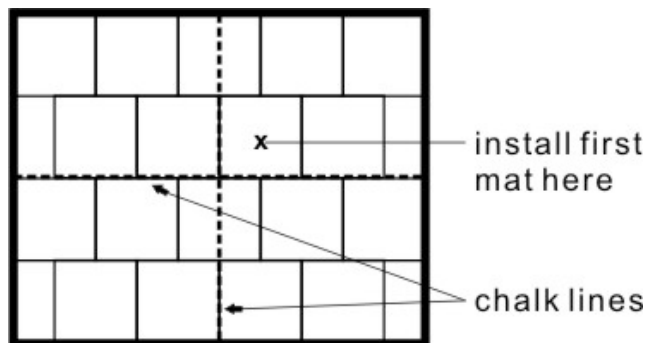
Follow all instructions and specifications supplied with your adhesive.

Locate the midpoint of the room, and chalk a start line down the centre. Chalk another similar start line 90 degrees and square to the first one. Begin mat installation from the point where the two chalk lines intersect. Work outwards in both directions. (See figure 1).



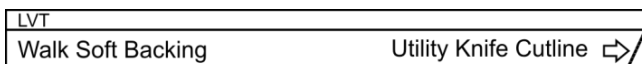
Start second row on either side of the center line towards the chalk line. Make sure that second row is installed by staggering the tiles. This will avoid any four corners from meeting at one spot (See figure 2).

Figure 2



2. MEASURING & CUTTING

Lay tile or plank on a flat surface, hold the metal straight edge on the cut line, and cut with sharp utility knife on a diagonal or using a back cut procedure. (See figure below)



Change or snap off blades frequently to ensure clean cuts. For odd angles, circular patterns, etc. a cardboard template is suggested. Join water cut edges together.

Hand cut edges should be used against walls wherever possible. Make sure that you measure carefully so that the tile or plank will fit properly and does not leave gaps, resulting in the installation being out of alignment.

3. ADHESIVE

IMPORTANT: If adhesive other than Dinoflex recommended adhesive is used, these installation guidelines may not apply. Contact adhesive manufacturer for specific guidelines for Next Step WalkSoft LVT Flooring.

A) General

- Please read Dinoflex DinoGrip Data Sheets supplied for the adhesive thoroughly before starting with the installation.
- Moisture is the single greatest cause of bonding failure. Ensure levels are at or below those accepted by adhesive manufacturer.
- Higher temperatures and humidity will cause the adhesive to cure faster.
- Use safety glasses, rubber boots, and rubber gloves when applying adhesive.
- Room must be well ventilated.
- For first aid and safety instructions see labels on can, Technical Data Sheets, and MSDS.

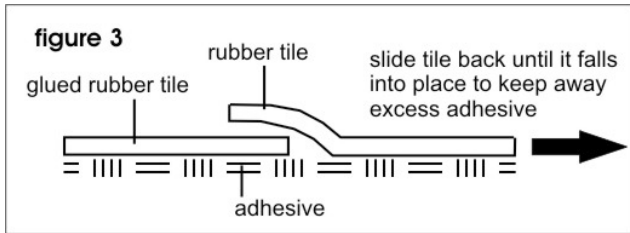
B) Applying Adhesive

All substrates must be structurally sound, smooth, clean, dry, and free from dust, loose material, grease, oil, wax, sealers, curing agents, and other foreign materials. Apply adhesive with 1/16" (1.6 mm) V-notch trowel. (Available from Dinoflex). Using a larger trowel will result in excess adhesive coming up between seams.

Wear gloves at all times when applying adhesive. Do not allow adhesive to cure on your hands.

Put the tile that you are installing on top of the tile already glued down and pull towards the area you want to fill until the tile falls into

place, then firmly press tile up to edge of existing tile. This will keep excess adhesive from protruding between the seams (See figure 3) below.



When applying adhesive, glue must be spread evenly on the sub-surface to avoid differences in tile height. Allow 48 hours setting time. Avoid heavy traffic during curing.

C) Rolling

Roll each row as completed. Roll the entire floor when project is completed. Work in both directions. **Note that adhesive is slippery when first spread and tiles will shift position even if only disturbed slightly.** No foot traffic of any kind should be allowed for the next 12 hours. Allow 72 hours for maximum strength.

A 100 pound roller should be used to ensure the underside tile surface is fully bonded to the glue and sub-floor. Too much rolling could cause the tiles to buckle and adhesive to move upwards through the seams.

D) Clean Up Adhesive

Do not allow excessive adhesive to come in contact with top surface of Next Step WalkSoft LVT Flooring as it can be difficult to remove. Contact your Dinoflex supplier immediately for suggested cleaning methods if this happens. **Any damage to the tiles as a result of adhesive removal is the sole the responsibility of the installer.**

Follow adhesive manufacturer's instructions for cleanup of tools.

E) Completion of the Installation

Sweep or vacuum thoroughly and remove any adhesive residue from surface. Mineral Spirits can be used. Do not wash floor for at least 48 hours after installation. Lightly damp mop with a very diluted vinyl cleaner

solution. Remove any scuffs and excessive soil by careful scrubbing. Certain types of rubber heel marks may be removed by rubbing with a cloth dampened with a Vinyl Black Scuff/Adhesive Remover. All traffic and furniture should stay off the floor for at least 24 hours to allow the adhesive to dry. Do not wash any installation for 48 hours. In order to prevent indentations and scratches, provide glass, plastic or other non-staining cups with flat under surfaces not less than 2" in width for the legs of heavy furniture or appliance. Equip swiveled-type office chairs and other rolling furniture with broad surface non-staining casters at least 2" in diameter. Remove small diameter buttons from the legs of straight chairs and replace with metal glides that have bearing surfaces not less than 1" in diameter. Protect your floor against burns. Burns from the glowing end of a cigarette, matches, or other extremely hot items can damage the flooring. Do not flood floor, subject to frequent standing water, or use in high moisture areas.

SECTION VI

CLEANING & MAINTENANCE

A) Maintenance

The type or frequency of traffic on your tile or plank will determine the frequency of maintenance needed. The color of the floor will have some bearing on how much care may be necessary. Regular adherence to an effective maintenance program should include: Thorough dirt and grit regulation, Prompt removal of spills and stains, Protection of the floor surface The most effective part of any floor maintenance program is the simplest: sweep, dust mop or vacuum DAILY, or more frequently if needed.

B) General Maintenance / Commercial Maintenance

Dinoflex Next Step WalkSoft LVT tile and plank will perform commercially provided a sound maintenance program is followed. Light daily sweeping, dust mopping or vacuuming will prevent dirt and grit particles

from being ground into the surface of the tile. Non-rubber, non-staining walk off mats should be used to control the amount of dirt and grit reaching the floor. The mats should be as wide as the doorway and thick enough to trap dirt and should be cleaned on a regular basis. Frequent light mopping will prevent the floor from becoming heavily soiled and will remove most spills and stains. The amount and type of traffic will dictate the frequency of washing. Wash the floor by damp mopping with a vinyl Neutral Cleaner diluted with warm water. If the floor receives hard use and becomes extremely dirty, as in heavily commercial installations, an occasional scrubbing may be necessary. This can be accomplished by using a low speed buffer 300 RPM or less with a red scrubbing-type (polyester or nylon) pad. Spray the floor with diluted Neutral Cleaner and work the solution over the floor using the buffer and the scrubbing pad. Once this is accomplished, remove the dirty residue by damp mopping with clear water or with a wet vacuum.

C) STAIN REMOVAL

To remove stubborn spots or stains from tiles or planks, always begin with mild cleaners, such as vinyl Neutral Cleaner. If this fails to remove stain, use Mineral Spirits. Do not use harsh solvents, such as Acetone, or lacquer thinner, as these type products can permanently soften and damage the surface. For extreme staining, (paints, permanent markers, dyes) try applying fingernail polish remover containing Acetone (not straight Acetone) applied to soft cloth and rubbing. Any damage resulting from use of pure solvents IS NOT covered by the warranty. Always test stronger cleaning agents on sample pieces or in unnoticeable areas first before attempting on affected areas.

D) SCUFFING AND SCRATCHING

Although Next Step WalkSoft LVT tiles or planks are resistant to scuffing and scratching, surface damage can occur with hard enough use, or if floor is improperly maintained. If damage occurs, try hand

buffing the spot with 0000 steel wool, using a solution of mineral spirits.

SECTION VIII

WEIGHTS & MEASURES

GENERAL PACKAGING INFORMATION

All Dinoflex products are packaged on wooden pallets, covered with a plastic hood, and secured by steel strapping with edge protectors.

Product Information – LVT WalkSoft Planks & Tiles:

Dimensions: 18.5" x 37" = 4.75 ft² (46.99 cm x 93.98 cm = 0.44m²)
 37" x 37" = 9.5 ft² (93.98 cm x 93.98 cm = 0.88 m²)

NEXT STEP		TILE	
WalkSoft LVT		lbs	pallet
5 mm	12mil	15	155
7 mm	12mil	18	130
5.5 mm	20mil	17	137
7.5 mm	20mil	20	117
6 mm	20mil	19	122
8 mm	20mil	22	106

NEXT STEP		PLANK	
Walk Soft LVT		lbs	pallet
5 mm	12mil	7.5	310
7 mm	12mil	9	260
5.5 mm	20mil	8.5	274
7.5 mm	20mil	10	234
6 mm	20mil	9.5	244
8 mm	20mil	11	212

Pallet (net weight) **65 lbs (29.5 kg)** **40" x40" skid**

Conversion Chart:

1 in	=	2.54 cm
1ft	=	30.5 cm
39.4 in	=	1.00 m
2.2 lbs	=	1.0 kg

Weights and measures may change without notice. All measurements are nominal and subject to variation.

DINOFLEX Group Limited Partnership
 P.O. Box 3309
 5590 – 46th Ave. S.E.
 Salmon Arm, B.C. V1E 4S1 Canada

Tel: (250) 832-7780
Fax: (250) 832-7788
Toll Free Tel: 1-877-713-1899
E-mail: sales@dinoflex.com

www.dinoflex.com