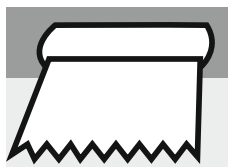


## [703] LAYING TECHNIQUES FOR MULTILAYERED ROLLS ON ISOLSPORT



In accordance with the local standards



Before laying the flooring, examine it to detect any problems of a visual nature. If there is an aspect defect, inform GERFLOR and do not start laying without its agreement.

### ■ 1 - ISOLSPORT MEMBRANE

Isolsport membrane is an impervious loose lay sheet designed to be laid over damp or contaminated subfloors prior to the installation of a our Taraflex Sports range .

Isolsport membrane is recommended when the residual moisture content of the substrate is between 4.5% and 7% with a carbide bomb test (Carbide Moisture test). This is equivalent to a Relative Humidity of the substrate no greater than 92% RH.

The membrane has nodules on the underside to create an airspace allowing ventilation of water vapor from a damp subfloor into a dry wall, thereby allowing the Taraflex floorcoverings to be bonded quickly and easily. Isolsport membrane is ideally suited for fast-track projects where time required for traditional subfloor preparation is not available, for heritage projects where removal of the existing floor is not possible and for temporary coverings where floors need to be returned to their original state.

### ■ 2 - AREAS OF USE

The flooring classification is kept when it is laid on Isolsport.

### ■ 3 - PREPARING THE SUBSTRATE

Isolsport membrane is a loose lay system and the quality of the finished installation will depend on the preparation of the subfloor. Badly prepared or deteriorating substrates can mirror through to affect the appearance of the finished floorcovering.

All surfaces must be sound, level and smooth. Remove any bumps, ridges, uneven adhesive residue and if necessary, mechanically prepare the subfloor. Any irregularities, holes or cracks in solid absorbent sand/ cement screeds or concrete floors must be skimmed with a minimum thickness of 3 mm.

Substrates and existing Floorcovering must be able to withstand covering with ISOLSPORT prior to installation. The installation must be carried out at the temperatures recommended for floor coverings.

When laid on a hydraulic substrate WITH a risk of humidity, if necessary use a resin based surfacing/levelling cement. Do not use a classic filler.

If laid on a hydraulic substrate with NO risk of humidity , if necessary use a classic levelling screed. If laid on a TIMBER substrate, use a type fibre-based levelling coat.

## 1 - CHOICE OF JOINT TREATMENT

The choice of joint treatment is kept when the flooring is laid on Isolsport.

### ROLLS

Heat welded joints + Peripheral trimming or coving. See Finishing chapter.

## 2 - LAYING SPORISOL

### 2.1 - UNDERLAY (WIDTH: 2M) AND FLOORING (WIDTH: 1.50 M OR 2 M)

- Unroll the Isolsport edge to edge black and white part facing the substrate. At the same time unroll the material onto the Isolsport leaving 1cm between each length. The lengths will be brought together the following day leaving 1mm between each length to enable heat welding.
- Joints between the flooring and Isolsport should be offset by at least 17 cm.
- The joints between lengths should, wherever possible, and taking into account the width used, be placed away from anticipated high traffic zones.
- Lengths should run towards the wall with the main window or lengthways.
- In corridors, lengths will be laid in the direction of main movement unless specified otherwise in the Contract Documents.

### 2.2 - TREATMENT OF EDGES

**In dry areas, the peripheral edges will be treated using the following system:**

- Cut the Isolsport underlay 1cm from vertical walls
- Cut the chosen flooring around the periphery 1cm from vertical walls
- To finish, fit coving, to cover the functional joint.

*NB: The coving will be positioned to cover the complex, without compressing it.*

**In wet areas, the peripheral edges will be treated using the following system:**

- Cut the Isolsport underlay 1 cm from vertical walls
- Fit the coving on the wall and the Isolsport
- Fit the flooring on a supporting form bonded to the vertical wall.

# [703] LAYING TECHNIQUES FOR MULTILAYERED ROLLS ON ISOLSPORT

## 3 - GLUING AND LAYING ISOLSPORT UNDERLAY

Isolport should be fixed for a width of at least 20 cm, discontinuously around the periphery and at doorways.

<b>SUBSTRATES</b>	On damp substrates or with risk of rising damp	On other substrates or old flooring
<b>ADHESIVE PERIPHERAL GLUING</b>	Reactive adhesive	Dispersion adhesive in aqueous phase

## 4 - GLUING AND LAYING THE FLOORING

### IMPORTANT

- Direction of laying: see general table.
- Gluing takes place 24 hours after laying.
- Heat welding: lay with a 1mm space between lengths.

### 4.1 - ACRYLIC ADHESIVE

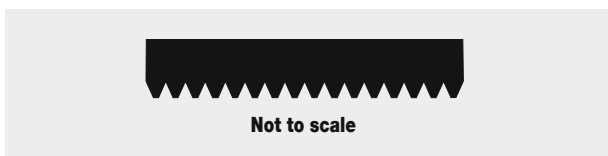
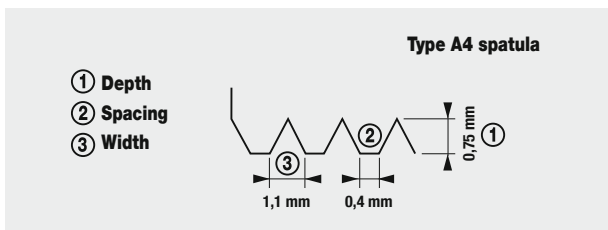
Substrate dryness ratio 4.5% < Residual moisture content < 7%; equivalent to 92% HR max.

Use a dispersion adhesive in aqueous phase (acrylic) suitable for gluing PVC flooring on compact underlay (compact/compact).

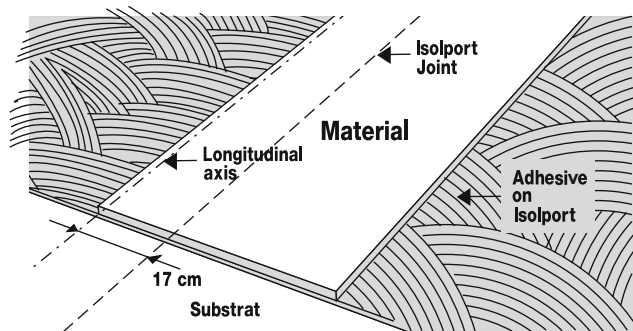
- Application is by simple gluing with a dispersion adhesive in aqueous phase (acrylic), enabling a compact/compact application. Use a finely toothed spatula, with an A4 type blade (TKB specification). Coverage: about 150 to 200 gr/m<sup>2</sup>.

To promote the elimination of water in ridges of adhesive, it is necessary to flatten the freshly applied adhesive, with a medium length pile roller [Change the spatula as often as necessary to comply with this recommendation].

**WAITING TIME: The film of glue is set when it no longer sticks to the finger.**



- Fold half the flooring back.
- Glue the substrate and apply the material to align with the marks.
- Repeat with the second halves.



### NB!

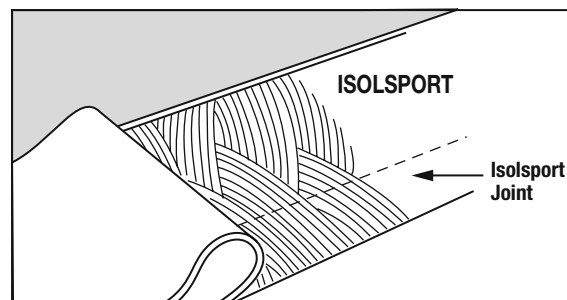
- Meticulously follow the adhesive supplier's instructions and respect the waiting time.
- Do not overlap two films of adhesive when resuming gluing.
- Remove any traces of adhesive as work progresses.

*To get the correct setting time: flatten ridges in the freshly applied adhesive with a medium length pile roller.*



*As the adhesive is designed for gluing impermeable material to impermeable material, it is essential to wait for the film of glue to totally adhere. If the waiting time is insufficient, blisters will form.*

*To reduce the waiting time, we advise ventilating the area by any appropriate means (blower, fans, etc.).*



# SPORTS FLOORS

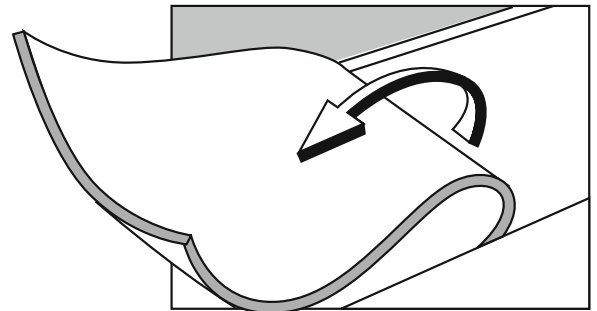
## [703] LAYING TECHNIQUES FOR MULTILAYERED ROLLS ON ISOLSPORT

### 4.2 - LAYING THE FLOORING

For gluing, fold back half the flooring.

Begin by applying to the central half lengths either side of the initial string mark. Fold back the second halves and work similarly, then lay the next lengths and continue, ending with the lengths against walls.

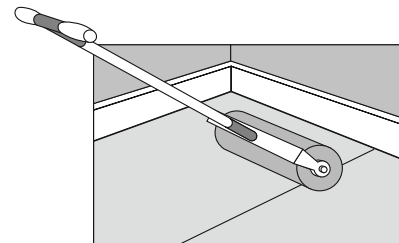
Lengths are laid immediately after the glue is spread and are stuck down manually as work progresses.



## 5 - ROLLING OUT

This must be done in two stages:

- Manually, using a cork smoothing press.
- Rolling out over the entire surface with a 50kg roller when installation is complete.



## 6 - HOT WELDING (12 HOURS AFTER)

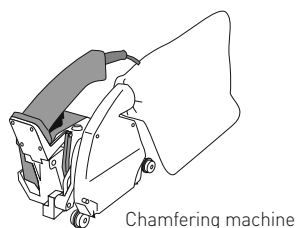
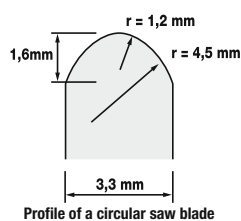
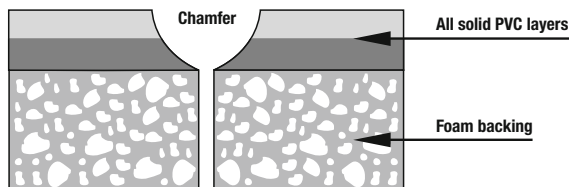
### 6.1 - ROUTING / GROOVING

Routing provides open, regular joints and removes any traces of glue detrimental to weld quality.

Two routing methods may be used:

- manual, using an appropriate tool (triangle, ruler)
- mechanical, using an electric router fitted with a 3.3 to 3.5 mm countersink cutter.

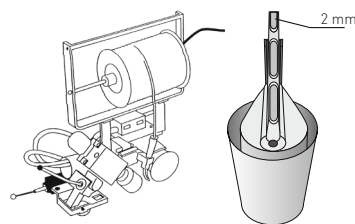
Route out the entire thickness of the wear layer but do not penetrate into the foam.



Nozzle part number:

JANSER: 225 860 300  
ROMUS: 95250 / 95252

LEISTER: 105 407



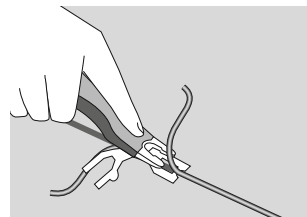
### 6.3 - TRIMMING WELD ROD

Trimming must be done in one pass.

Using a trimming tool sharpen in the middle only, such as the Mozart, is recommended:

Trimming must be done with the trimmer only.

This method prevents concave welds and must be done when the rod is cold.



ROMUS Ref.: 95130  
Spare blade: Ref.: 95129

## [703] LAYING TECHNIQUES FOR MULTILAYERED ROLLS ON ISOLSPORT

### 6.4 - FINISHING

Accessories are available to achieve attractive trims around openings:

- To avoid level differences the SPORISOL / Taraflex® sports floor material composite will be glued to the cover over the opening.
- Circle cutter fitted with a centring device (Ref.: 91653 - ROMUS, Ref.: 262 262 500 - JANSER).



**IMPORTANT: GERFLOR is at your disposal for advice concerning equipment.**

## 7 - PUTTING INTO SERVICE - TRAFFICKING

### IMPORTANT: commissioning deadlines:

- For normal pedestrian traffic, commissioning takes place 24 hours at least after completion of the work.
- For the installation of sports equipment and the traffic of rolling loads it is necessary to wait 72 hours.
- It is necessary to distribute the static and dynamic loads when setting up in the table tennis table room folded or open, referee tables, or use of carts solid storage, removable basketball boards, approved equipment, elevating platforms, forklifts, utilities...

The raceways and distribution plates must be dimensioned and positioned according to the loads.

See [803] STATIC AND DYNAMIC LOAD

Do not use furniture with rubber feet.