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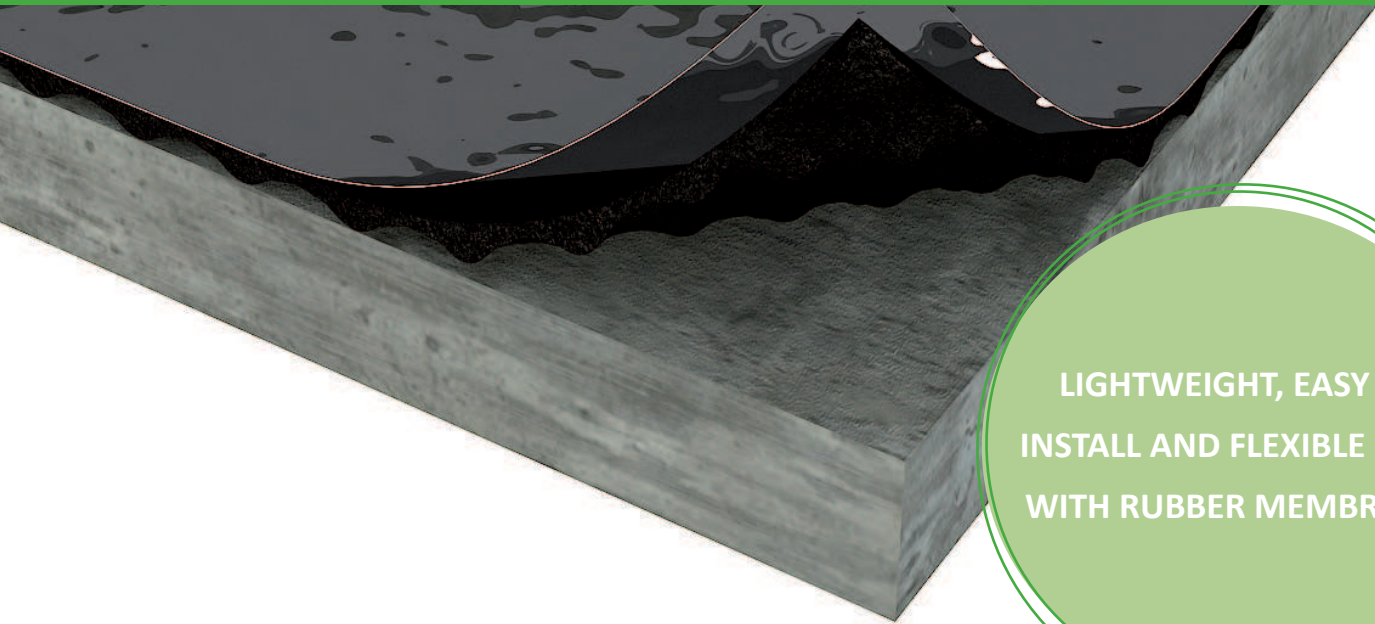
# ACOUSTICORK

REINVENTING SUSTAINABLE,  
GREEN AND ACOUSTIC INSULATION.

## WATERPROOF MEMBRANE

Waterproof underneath final flooring.

# WPM



LIGHTWEIGHT, EASY TO  
INSTALL AND FLEXIBLE CORK  
WITH RUBBER MEMBRANE.

- Easy to Handle and Install
- Excelent Recovery After Compression
- No Easy Tearing
- Allows Installation of Final Floor



### PRODUCT DESCRIPTION

Agglomerated cork with rubber for waterproofness below final floors.



### THERMAL PROPERTIES

Thermal Conductivity:  
0,018 W/m<sup>2</sup>K  
Thermal Resistance:  
0,019 m<sup>2</sup>K/W



### PHYSICAL AND MECHANICAL PROPERTIES

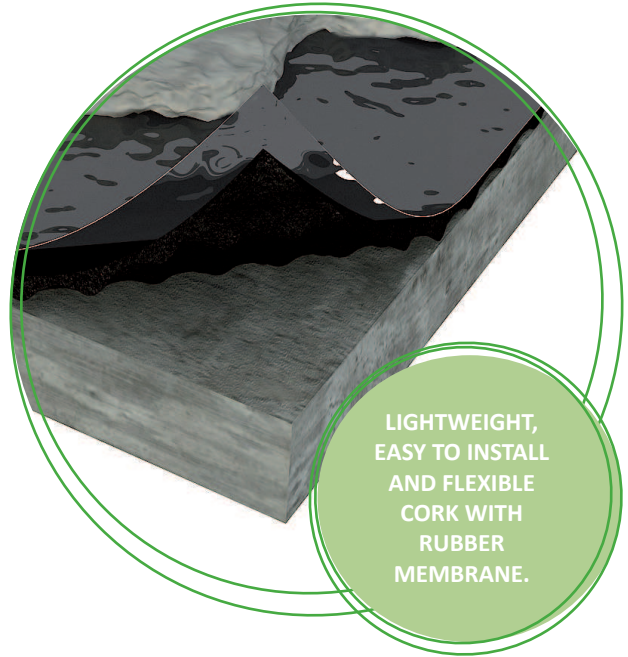
Hardness: > 60 Shore A  
Density (min): > 0.9 g/dm<sup>3</sup>  
Tensile Strength: > 1.3 Mpa  
Elongation: > 50%



### PACKAGING

Rolls 1000 x 1,2mm x 10m  
1000 x 2mm x 10m

# WPM



## Test

Mold Growth = Negative  
Seam Strength > 60 lbs  
Breaking Strength = 941 psi  
Dimensional Stability = ok  
Waterproofness = ok

(TCA-186-05)

## General Installation Instructions

The following installation instructions are recommended by William Johnston & Company Limited, but are not intended as a definitive project specification.

They are presented in an attempt to be used with recommended installation procedures of the flooring manufacturers.

## Room conditions

Temperature > 10°C / Room moisture content < 75%.

## Subfloor

All subfloor work should be structurally sound, clear and level. The moisture content of the subfloor should not be more than 2.5% (CM) by weight measured on concrete subfloors.

(no perimeter insulation barrier)

## Installation Instruction for WPM

### Membrane - Rolls

Determine the most efficient direction in which to install the membrane, taking into account the location of walls or other vertical partitions, seams and any expansion or

movement joints in the area to be covered. Try to lay the job out in a manner that minimizes the number of seams. It is recommended that chalk lines be used to assist in alignment.

Where the membrane meets a wall or other vertical partition, it is to be wrapped up the wall above the flood point or above any base trim. The sheet should be trimmed to the proper height before any base trim is installed.

Roll out the first course of membrane material and cut to the approximate length of the space to be covered. If the sheet is to meet walls or other vertical partitions at the ends, make sure to add enough length to the measurement to incorporate the material to be wrapped up the wall.

Place the material cut to fit the first course in position, allowing for any required wrapping up walls or other vertical partitions. On the opposite edge, mark the substrate where the sheet ends and snap a chalk line parallel to the wall or partition to coincide with this mark.

Remove the cut material from this area and apply a suitable Cement Glue or PU Glue. Use a suitable "V"-notched trowel, trowel rows parallel to either the width or length of the sheet. Any wall or vertical partition surfaces that are compatible with Cement or PU Glue also may be bonded in the same manner.

Place the previously cut membrane material in position, by unrolling it into the bed of adhesive mortar applied. Be sure to apply the membrane into the mortar applied before it begins to form a firm skin. If the mortar is skinned over, scrape the area clean of mortar and re-apply. Tape or staples (staples may only be applied in the area that will be trimmed away) can be used to hold the material in position where it meets walls or vertical partitions to prevent lifting while the mortar sets.

Make sure that the membrane is fully embedded into the bond coat of Glue. (The flattening of all trowel ridges will indicate embedding.)

Measure about 40mm in from the edge of the membrane previously installed, adjacent to where the next course is to be installed. Snap a chalk line on this mark parallel with the edge of the sheet.

Measure the length of membrane required for the second course, again taking into account any material required for wrapping up walls and or partitions.

Apply the bond coat of Glue, as per step 5 in the instructions, to the area of the substrate marked by the chalk line. Apply it to the substrate only and not to the membrane previously installed.

Unroll and the next sheet of membrane into the bed of Glue applied, lining the edge of the membrane up with the edge of the chalk line on the sheet of membrane previously installed, to provide for a 40mm overlap on any seams.

Embed the membrane into the bed of Glue as described in step above. Repeat the process until the entire space is covered by the membrane, without any gaps.

### **Membrane – Seaming/Joints**

In any area where two sheets of material join, apply two roughly parallel 6mm diameter beads, about 25mm apart of an approved Seam Sealing Adhesive in the area between the two sheets, by lifting the overlapping layer and inserting the nozzle of the caulking gun into the space, without using excessive force. The beads of seam sealing adhesive must be continuous and without voids.

Once the beads of Seam Sealing Adhesive are applied to the entire length of the seam, roll the seam using a Roller or a hand roller with vigorous pressure. An adequate application of the adhesive will be indicated by some “squeeze out” of adhesive from the joint once pressure has been applied. If no “squeeze out” is detected at the seam, lift the seam, re-apply the adhesive and roll again.

For terminations, where the membrane ends running up a wall or vertical partition, apply a 4mm bead of the approved Seam Sealing Adhesive after the membrane is trimmed to its final height. This bead can be tooled to a concave (coved) shape, to better accommodate any finishing trim materials. Make sure that this bead is continuous and covers the entire edge of the membrane.

### **Membrane – Vertical Partitions, drainpipes and other protrusions**

For areas where walls or other vertical partitions meet the floor, wrap or turn the sheet up the wall higher than the anticipated “Flood Level”. Make sure this additional width is calculated into any sheet abutting a wall or other vertical partition before the sheet is cut to width. Fold the sheet at the desired point prior to application and crease it by applying firm hand pressure.

For porous and tile suitable substrates, pull the membrane back and apply a latex modified thin-set mortar to the surface where the sheet is to be adhered to the wall/partition. For non-porous substrates, use the seam sealing adhesive to bond the membrane to the surface. Roll or apply firm pressure with a block or the flat side of a trowel to embed the membrane into the adhesive or mortar applied.

For terminations, where the membrane ends running up a wall or vertical partition, apply a 4mm bead of the approved Seam Sealing Adhesive after the membrane is trimmed to its final height. This bead can be tooled to a concave (coved) shape, to better accommodate any finishing trim materials. Make sure that this bead is continuous and covers the entire edge of the membrane without any voids.

### **Membrane – Inside Corner Details**

For areas where the membrane will meet two adjacent vertical partitions or walls that form an “inside corner” the following procedure is recommended:

Determine where the sheet will wrap up the wall or partition in each direction.

Crease the sheet in each direction along on the lines determined in step above. Creasing it along one axis, unfolding it and then creasing along the opposing axis.

In the area of the inside corner there will be two “crease lines”. Carefully cut one of the crease lines up to, but not beyond the other crease line.

Apply sheet to the floor and wrap up walls as directed earlier in these instructions.

Apply seam sealing adhesive liberally to the back surface of the overlapping flap that will form the corner. Making sure that the sealant provides full coverage to the joint. Firmly press the flap into position and if necessary tape in place until the adhesive sets.

After the adhesive has set, apply a 6mm bead of the seam sealing adhesive to all three exposed edges of the inside corner flap. Tool the bead into a concave (cove) shape, making sure there are no skips or voids on the seamed area.

### **Membrane – Outside Corner Details**

For areas where the membrane will meet two adjacent vertical partitions or walls that form an “outside corner” the following procedure is recommended:

Wrap the sheet up one axis of the wall/vertical partition as directed earlier in these instructions.

Cut another strip of the membrane material minimum of about 100mm longer and 30taller than the amount required to wrap up the wall/partition on the opposing axis.

Crease the membrane on the line where it will wrap up the wall/partition. Unfold the membrane and crease the membrane at the point that it will wrap around the corner.

### **Limitations**

WPM is not recommended for use on concrete floors where hydrostatic head pressure or excessive rates of water vapor transmission are present.

WPM is not recommended in areas where vertical movement of the floor is possible. It is also not recommended for use where horizontal movement is expected to exceed 6mm or to cover existing (and filled) cracks larger than 6mm.

WPM is not designed to be the lining material for a Shower Pan Installation.