



## TECHNICAL BULLETIN – TB211

# Preparation of Subfloors in Shielded Medical Imaging Rooms (incl. 'IMIRS')

January 2025

### INTRODUCTION & SCOPE

A situation which arises in hospital and day surgery environments is the requirement for application of flooring materials over floors that have anti-magnetic or anti-radiation shielding in place. Typically, this involves multi steel plates under a special slab with copper sheeting bonded to the top. The flooring materials are then fixed onto the copper sheeting. This bulletin briefly describes the recommendation for smoothing the sheeted top surface of this type of floor installation.

### APPLICATION

The copper sheeting is bonded to concrete floor with an epoxy adhesive. It is cleaned, surface sanded and then solvent wiped. The subfloor sheeting applied is 19- or 22-mm plywood which is placed over the copper. The sheeting is bonded with an epoxy adhesive as well.

Finally, ARDEX Feather Finish is applied to the plywood ends, joints and any rough areas on the surface. The resilient flooring is then bonded using a suitable flooring adhesive.

#### **IMPORTANT**

This Technical Bulletin provides guideline information only and is not intended to be interpreted as a general specification for the application/installation of the products described. Since each project potentially differs in exposure/condition specific recommendations may vary from the information contained herein. For recommendations for specific applications/installations contact your nearest ARDEX Australia Office.

#### **DISCLAIMER**

The information presented in this Technical Bulletin is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of a product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

#### **REASON FOR REVISION**

ARDEX Logo and address update.

#### **REVIEW REQUIRED**

36 Months from date of issue

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