

# TECHNICAL BULLETIN – TB211

## PREPARATION OF SUBFLOORS IN SHIELDED MEDICAL IMAGING ROOMS (INCL. 'IMIRS')

Date, Wednesday, 29 June 2011

### 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 with Ardex AF164 adhesive (where Armstrong vinyl is used the alternative is Armstrong SV200 vinyl 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 - ISSUER**

New document

#### **DOCUMENT REVIEW REQUIRED**

24 months from issue

**NSW** 02 9851 9100, **QLD** 07 3817 6000, **VIC** 03 8339 3100, **SA/NT** 08 8406 2500, **WA** 08 9256 8600  
**New Zealand** (Christchurch) 64 3384 3029  
**Technical Services** 1800 224 070.

Web: <http://www.ardex.com> <http://www.ardexaustralia.com> email: [techinfo@ardexaustralia.com](mailto:techinfo@ardexaustralia.com)

