

ALBANY ENTERTAINMENT CENTRE

Albany WA, Australia



SYSTEM **ARDEX**
PREMIUM PERFORMANCE

INSTALLER:

Commercial Tiling Services WA

ARCHITECT:

Cox Howlett & Bailey Woodland

BUILDER:

Doric Construction

The Albany Entertainment Centre has been built to replace the Albany Town Hall Theatre as the premier performing arts centre for Albany and the Great Southern Region of WA.

The centre was designed by Cox Howlett & Bailey Woodland Architects who reflected Albany's Maritime history in the design. Some of the design features of the building presented challenges for the builders and their subcontractors.

ARDEX worked closely with Danny Ambrose from Commercial Tiling Services WA to provide a system recommendation for the internal/external tile installations and waterproofing membranes which took into consideration some unique building products.

The tiles installed are a dark grey, almost black granite installed over polystyrene insulation and a sand/cement screed.

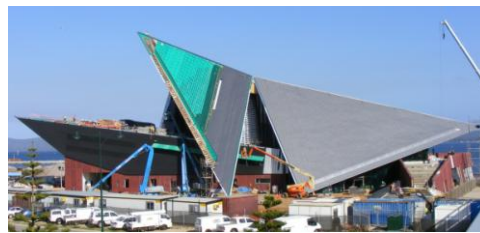
Prior to the installation of the polystyrene blocks, the concrete had to be waterproofed with a fully tanked membrane. Our recommendation was to use Ardex **WPM 002** two part membrane and **WPM 265** primer which incorporated bondbreakers and deckweb.

An unbonded sand/cement screed was designed to move independently over the insulative blocks to tolerate movement within the system.

To debond the screed two layers of builders black plastic was applied to act as slip sheets. All depressions were filled and high points ground off to achieve a smooth and level surface. Gaps between the polystyrene blocks were filled with silicone.

The sand/cement screed was mixed at a ratio of 3/1 with WPM 405 polymer added to improve the strength, flexibility and moisture resistance. As the screed was self supporting it was reinforced with welded wire mesh as per Ardex technical bulletin 057.

Once the screed was completely dry, **WPM 002** was applied prior to tiling. We recommended Ardex **STS 8** combined with **E 90** additive. **STS 8** was selected for its high tensile strength and non-slump properties. For the external areas, **E 90** was added to improve adhesion and flexibility.



PROJECT REFERENCE - SYSTEM ARDEX

