

# TECHNICAL OPINION

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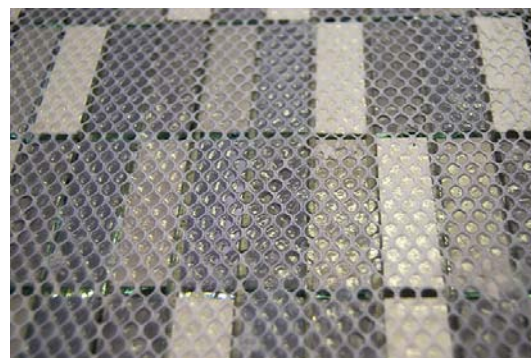
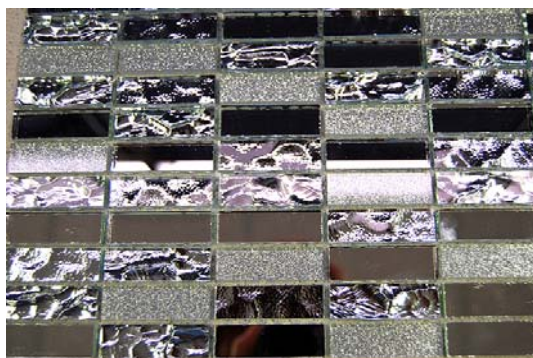
## EXAMINATION OF DÉCOR 8 MOSAIC TILES

A sheet of mosaic tiles was received from Décor 8 for assessment of suitable adhesives when the tiles are to be used on interior bathroom walls.

### **Sample description**

The tiles were described as 'Silver Mirror Glass' mix and were 48x15x5mm on 303x298mm sheets. The tiles themselves were pieces of cut glass mirror and silver foil backed glass.

The tiles were bonded with a clear adhesive onto a fabric mesh with 4mm apertures. The estimated mesh coverage was 40% and adhesive around 70%.



### **Basis of opinion**

The tiles were visually examined, and a section of three tiles was placed into water to determine properties of the mesh adhesive. The mesh adhesive did not dissolve or fail. It is not known whether the glass is an alkali resistant type.

### **Recommendation**

***Ardex recommends that these tiles be bonded with non-water based adhesives (c.f. excluding C1-C2 cement based or D dispersion class adhesives) and also non cement grouts to prevent alkali corrosion of the mirror part of the tiles. Sealants must be neutral cure to prevent corrosion.***

***The recommended adhesive, grout and silicone therefore are:***

***ARDEX WA Epoxy as the adhesive and grout***

***and***

***ARDEX ST Silicone as the sealant.***

### **Certificate Conditions**

This certificate and recommendations apply only to the tiles described herein

This certificate has a period of validity of 24 months from date of issue

Where a specific site or installation is nominated, this recommendation only applies for that particular site

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