

TECH TALK WITH GEOFF

The use of particle board flooring in frame construction is common, and the question I get asked regularly, is “can I tile directly onto this board”?

The answer I give is NO! However there are a few scenarios which I will explain. The manufacturer or **STRUCTAflor** Carter Holt Harvey Wood Products Australia, produce a technical document on how to use this flooring, there is always confusion in regards to the colour some people tell me yellow internal blue wet areas etc. the facts are-

Yellow	tongue is 19mm thick
Red	tongue is 22mm thick
Blue	tongue is 25mm thick

The colours define the thickness only, page 21 of the Data Sheet quotes “Carter Holt Harvey” recommends the use of a fibre cement underlay in **ALL** ceramic tile applications: We test our adhesives regularly on all types of substrates/surfaces as part of our Research and Development.

I continually bring new products back to our laboratory for testing for our customers, once tested I write a methodology statement in regards to preparation, adhesive and application. Some builders do tile directly to the board, they lightly sand the surface remove the dust and use Morgan's **Poweflex** “Grey”, as stated we do not endorse this application or guarantee the use of the adhesive in this manner.

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I have also seen tilers using Morgan's 2 Pack Waterproof Membrane as a separating layer.

Once again they lightly sand the board and apply the membrane directly to it.

No Priming! the thought process behind this is the wet membrane ingress the particleboard and locks up the wood fibres into the membrane matrix and even if the bond is not that good the stress / adhesion is spread over the entire application, and then they use Morgan's **Powerflex** “Grey” or Morgan's **Resinflex** One Pack. Once again we don't endorse this application noting I have never seen or heard of it failure. The problem as we see it, the particle board is wax impregnated which acts like a release agent for adhesives. The wax helps prevent water ingress into the board which is crucial for its longevity. This type of flooring is moisture sensitive once the particles get wet they release, hence creating a weak link in the tiling system and failure can result.

if you sheet the floor as recommended it is an ideal substrate for tiling.



METAL SUBSTRATES

Tiling onto metal is another common question I receive, yes you can tile onto a metal substrate in most cases however it is always best to ring Morgan's and give the details of the application. a common practice used is as follows.

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PREPARATION BARE METAL

Ensure there is no rust, oils or contaminates present.

PRIMING

Use a metal primer the name is = Super Etch **M**, this primer is available from most paint stores it comes in a spray can or brush form, apply to the surface allow to dry.

ADHESIVE

Morgan Ceramic Tile Adhesives **Resinflex One Pack** is ideal for most applications, cool-room panel, you can use Morgan Ceramic Tile Adhesive **Promastic** for internal applications only.

Sand the surface first to give a key remove the dust with clean water and a sponge. Other key points are allow for thermal expansion and contraction if the application is external, the weather will have an impact, cushion/ relief joints must be incorporated. The contact coverage for the tile adhesive must be **100% NO VOIDS** in the adhesive bed.



Congratulations

*Shirley Matthews of
Tile Boutique Mandurah the
winner of our Sign Up A Tiler.*

*Shirley has won a Petrol
Voucher valued at \$200*

GEOFF'S SPIEL

Dear V.I.P Tilers,

Some time ago, I wrote an article about Morgan Ceramic Tile Adhesives going green. This process has continued with a lot of work having been done by our chemist and General Manager. I have also written articles of V.O.C ratings for products, in case you have forgotten V.O.C stands for "Volatile Organic Compounds" the standard to achieve a Green Rating for a product must not exceed 65 grams per litre or kilo. In next month's mail out I will include our new green identification logo's, this is great news for our environment and end user's which is you "The V.I.P Tiler".

Our web site is going well I receive good feedback about it regularly, this is still work in progress and we have a new innovation using your "iphone". To select a grout colour log onto our website. Select grout, select the architectural grout bag locate and select Grout Board. Turn your phone sideways for a full screen. It is purely an indication however after checking the colour it is very close. The Regular and Aquapoxy colours will be next.

Congratulations to
V.I.P Tiler Brad Brewer V.I.P #02012
on winning the Petrol voucher to the
value of \$200.

Till next time
Keep Safe
Cheers Geoff



JUNE WINNER



Congratulations to
V.I.P Tiler:
Brad Brewer
V.I.P # 02012
GIFT VOUCHER
TO THE VALUE
OF \$200.00



The winner
for the month
of July will
receive a \$200
voucher to



TILING & STONE Trade Services

Open 6:30am - 4:30pm Daily
NOTE: No longer open

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V.I.P Tiler

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