

## **Trespa Meteon Siding Material**

At the Preliminary Design Hearing there were some questions raised about the use of the Trespa product on the exterior of the building. We were asked to continue to work with the Dublin Planning Staff to compare alternate products to determine whether this was the best and most appropriate product to use. We looked at a variety of other products including Oko Skin, Taktl, Longboard, Swiss Pearl, Accoya and Nichiha. We concluded that Trespa is the most appropriate material for the wood look we are trying to emulate.

As an example, we examined the Nichiha product since we were informed that this product has been approved by the Commission for use on other buildings in the area. Upon closer examination of samples provided by the company we concluded that Nichiha would not work practically or esthetically. It has limited wood look selections which do not work with our concept. It also comes only in sheets, not planks which limits its application. Most importantly, while it is useful in some applications, we feel that Trespa is a superior product in terms of make up and longevity. Trespa is a phenolic resin high pressure laminate material with the finish treatment baked in. Nichiha is a fiber cement board material with an applied finish coating, which is more apt to fade and discolor over time.

We have included a chart which compares Trespa to fiber cement products in terms of testing, weathering and maintenance.

Testing Criteria Service Life and Aesthetics	Trespa Results	Fiber Cement Comparison	
<b>Cradle to Grave Testing</b>	BBA Cert 99/3629: No less than 60 Years	No Comparable Testing	
<b>ISO 14001</b>	EMS: Environment Mngt Certificate	yes	
<b>ISO 9001</b>	QMS: Quality Mngt Certificate	yes	
<b>OSHA Restrictions</b>	not applicable	Contains crystalline silica a known human carcinogen requiring special safety procedures and equipment	
Aesthetics (Warranty)			
<b>Climate Shock Weathering</b>	EN438:2:19/29	ASTM G23	<b>Not warranted:</b> Color change or fading due to weathering, defined as exposure to sunlight and extremes of weather and atmosphere that will cause the colored surface to gradually fade, chalk, or accumulate dirt or stains.
<b>Colorfastness</b>	ISO105A02/A03 Standard: Results >4 + 4-5 on 5 part Grayscale	No Comparable Testing	
<b>SO2 Resistance</b>	DIN 50018	No Comparable Testing	
<b>Water Resistance</b>	ASTM: D2247:02/D2842:6	Water Absorption, % by mass 13.9	
<b>Impact Resistance</b>	ASTM D54 20:04	No Comparable Testing-Results based on the Modular of Rupture data	
<b>Graffiti Proof</b>	Cleaned with Goof-off	Leaves Ghosting after cleaning	
<b>Required Maintenance to Support Warranty</b>	Pressure wash if/when needed	Remove soil, grime and chalk with a soft sponge and a bucket of soapy water. Check all seals and caulking and repair as necessary. Paint as necessary with approved paints only.	
<b>Soffit Installations</b>	Yes	No	