



# MAGNA.

## GLASKERAMIK

Member of

**WORLD ALLIANCE**  
for EFFICIENT SOLUTIONS

by **SOLARIMPULSE**  
FOUNDATION

### MAGNA GLASKERAMIK REFERENCES

“Two for One” Two projects using the same type in different ways: Polar White Polished Magna Glaskeramik

Tala Studios by Archer Architects and UBS Broadgate by Make Architects, London.

We present two very different projects who chose our polished material to use in two ways. The first project for Tala Energy, a LED lighting designer, maker and retailer, this is located on the canal side in N.E. London near Hoxton, an area of bright new business start-ups and new IT hubs close to Old Street. This project shows all main surfaces covered in the Polar white. Covering tables and kitchen counters with upstands and offsets a darker cabinetry and

compliments the LED lighting they provide. White is a clear choice as

they have a number of fittings and finishes to compliment and set off and this muted route is the best backdrop. But also, Tala work with Magna to offer specialist bespoke commercial light fittings with Circular Economy credentials so the choice of Glaskeramik fits their ethos throughout the business.





industry waste-stream, this waste is then reprocessed in a controlled way without additives and the outcome reflects the input material.

Green beer bottle source will produce a dark green and low iron glass from solar panels can provide a very white coloured Glaskeramik, both are translucent. This material is circular as it has no additives (such as a resin bond which many companies resort to reduce the issue of tension) and is categorized as crystallized glass ceramic in its nature and character much as a tested ceramic slab and used as one would natural stone slabs.

Stocking is easy as these sheets are annealed and can be cut by bridge saw, water jet for sinks and openings after the slab is made and without large risk of breakage.

The white material is made entirely from the waste stream in producing solar glass covering PV panels and as a result has superlative light transmission levels.

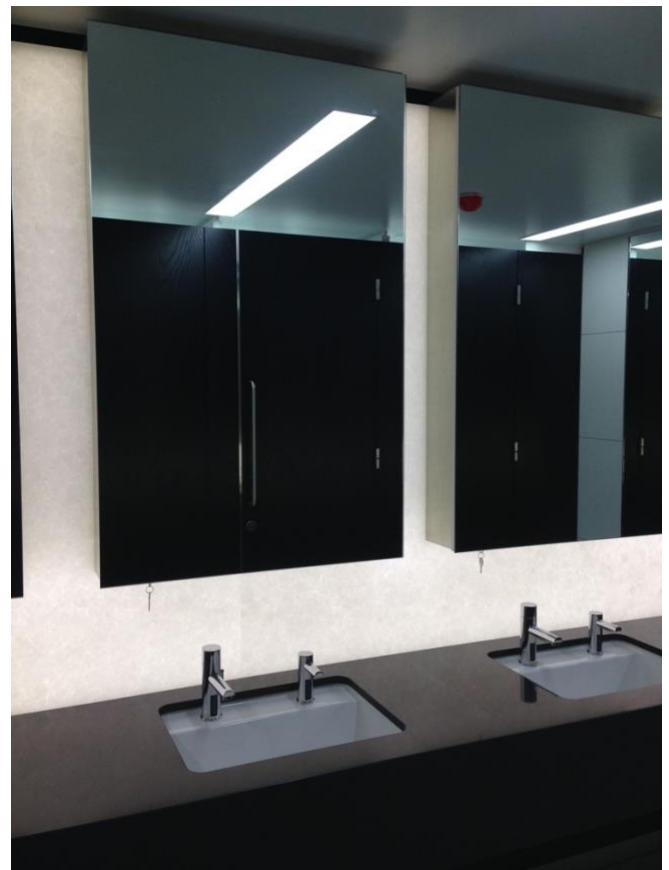


Our second example (on the coming page) is a very different use as it revolves around lighting, it is 200M2 area of backsplashes lit by even LED light sheets. This is a large commercial office space originally for UBS bank but now under new ownership. It is a “Ground Scraper” building in Broadgate development in the City of London that required 60 washrooms for the personnel. Each was laid out to suit today's working environments and with great care to get the lighting levels and glare at the correct level whilst expressing the structure in the glass. Here in these images you can see the level of detail required to achieve snug jointing to avoid glare occurring. Magna manufacture the material from glass





The technology allows for the growth of these strong crystals and deals with the air bubbles captured by the sintering process whilst also removing the tension in the sheet formation. This means that the true advantage against cast glass types is that the material slabs (of both 2780x1260mm but also 3500x1500mm maximum sizes) can be premade and stocked in quantity affording a swift processing for projects. The material thus covers the glass, ceramic, cast glass and the natural stone market but offers light translucency and randomized yet controlled interior beauty.



The patinated, naturally crusted surface, offers an unusual textural and aesthetic effect and offers scratch resistance, whilst the polished offers more visibility of the interior structure and depth of the crystallization.



The material is made in Germany with a wealth of leading glass consultancy and technical advice in order to create a stable tension-free outcome. If you would like to know more about this exciting new material or require technical advice, please contact the author or via the manufacturer's website.

[www.magna-glaskeramik.com](http://www.magna-glaskeramik.com)



Magna Glaskeramik GmbH is pioneering the circular economy in its production of 100% recycled and 100% recyclable façade material which is being taken up by global accreditation and test data, the water use is also circulated within the plant and the energy use is offset by a large solar array on the roofscape.

European Test Approval for Anchored Rainscreen, ISO 9001, EN 12600, Cradle2Cradle Gold Certification. Independent Label Details:

[www.solarimpulse.com](http://www.solarimpulse.com)

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