



The Industrial Flooring Specialist

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PRODUCT DATA

EPOXY QUARTZ

HYGIENIC SEAMLESS FLOORING

DESCRIPTION

Epoxy Quartz is a unique combination of the latest synthetic resin technology and high performance coloured Quartz aggregate. The clear resin binder and coloured aggregate enable a wide range of colour schemes to be produced.

Epoxy Quartz provides the optimum combination of high physical strength, chemical resistance and slip resistance combined with an attractive hygienic finish.

Epoxy Quartz is 'proven' in the food industry and meets all EEC legislations including Council Directive 92/EEC and the requirements of MAFF, the EHO < USFDA and Pharmaceutical industries GMP guide.

TYPICAL AREAS OF USE

Food - wet and dry preparation, production and packaging areas, bakeries and storage areas.

Dairies, Beverage and Brewing - bottling and canning halls.

Pharmaceutical, Cosmetics, Healthcare - manufacturing, clean rooms, laboratories, changing rooms.

ADVANTAGES

Hygienic - Epoxy Quartz is completely joint free and impervious and consequently will not harbour dirt and germs. The finish can be taken up walls and ceilings to provide a totally sealed crevice free environment.

EASILY CLEANED

Epoxy Quartz is a resin rich system that does not require the use of seal coats to protect it from attack by liquids. This impermeability also ensures much easier cleaning of the floor finish, even after years of use, as the high resin content is present throughout the full thickness of the floor, and not just on the surface as in the case with traditional low cost epoxy and polyurethane floors.

Slip Resistance

Depending on the application, the surface finish can be varied from a light 'orange peel' texture to a very coarse texture. Epoxy Quartz meets all current health and Safety EC regulations relating to safe working environments in industry.

Correct cleaning methods and footwear are essential to meeting safety standards - please refer to our 'cleaning' and 'footwear' recommendations information sheet. As with any textured floor finish, the profile will change with wear. If required, localised areas can be "re-dressed".

Chemical Resistant

Epoxy Quartz will withstand attack from a large range of chemicals, solvents, oils, grease, etc. , and will permit 'swabbing' with aggressive disinfectants and bacteriological agents. Details regarding chemical spillage and proposed cleaning methods and solutions should be submitted to our technical department for evaluation in order to ensure the correct grade of Epoxy Quartz is specified. Certain chemicals and dyes may affect the colour of Epoxy Quartz flooring without detriment to the performance characteristics.



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TYPICAL PHYSICAL PROPERTIES

Cure Schedule @ 20oC
Floor Traffic 12 hours
Light Traffic 24 hours
Heavy Traffic 48 hours
Full Chemical Resistance 5 - 7 days

If the floor is to be put into service during the curing period, care should be taken to avoid scratching and physical damage. Cold or damp conditions and chemical spillage during the curing period should be avoided as the surface staining and carbonation can occur.

GRADES

7mm - Heavy Duty production areas where impact damage is anticipated.

3mm - Medium duty environments where heavy wear is anticipated from pedestrian and rubber wheeled trucks but impact damage is unlikely.

COLOUR RANGE

Standard Colours: Red, Grey, Green, Blue, Buff. Can be colour coded to de-mark high and low risk areas. Corporate colours and logos can be incorporated in the floor.

HOW TO SPECIFY

Designated floor finishes shall be UKi Quartz applied thickness ofmm. The material to be installed in accordance with the manufacturers instructions. UKi Limited 07970 101815.

INSTALLATION GUIDELINES

Specialist Flooring Contractor

Epoxy Quartz can only be installed by a Specialist Flooring Contractor approved by UKi Flooring Services Limited.

Substrates

New Concrete - please contact our technical department for detailed specification. Existing Concrete - should be mechanically prepared, dry and sound with a relative humidity of less than 75% as measured in accordance with BS/8203 Appendix A.

Floors known to suffer from rising damp or osmosis need special attention. Please contact our technical department for advice.

Preparation

Thorough preparation is essential to achieve maximum adhesion. Mechanical planing or heavy shot blasting are the most efficient methods. Acid etching is not recommended for floor toppings.

Application

Following preparation, the floor should be vacuum cleaned and primed with Quartz primer.

The following day Epoxy Quartz should be laid to the specified thickness. Ideally the ambient temperature during application should be in the range of 10 - 25o C. Epoxy Quartz should not be laid at temperatures below 5oC as application becomes very difficult and surface defects can occur.

Joints

If cracking or movement (horizontal or vertical) of the substrate takes place after application, reflective cracking of the topping may occur.

All structural movement joints should be maintained in the topping.



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ADVISORY SERVICE

The above information is for guidance only Site surveys and detailed project specifications are provided free of charge.

For further information or details on other UK products please contact our Technical Department on : (07970) 101815.

CLEANING AND MAINTENANCE

Good housekeeping improves the life and performance of all floors including Epoxy Quartz. Aggressive chemical spillages should be washed away as soon as possible. A lack of efficient cleaning will detract from the slip resistant characteristic. For further information please refer to our data sheet "Cleaning and Footwear Recommendations"

Health & Safety

Please refer to Epoxy Quartz Safety Data Sheet.

Quartz 8/96

This data sheet supersedes all previous literature on this product. Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives where the conditions of use and any labour involved are beyond our control. The user will be deemed to have satisfied himself independently of the suitability of UKi's products for his own particular purpose.