



# DURATOP CQF

## COMPOSITION

Duratop CQF contains solvent free epoxy resins, coloured and natural quartz aggregate of different sizes. Duratop CQF is a multilayered system, consisting of:

- A regulating layer
- A coloured base layer, over which a layer of natural or coloured quartz has been spread
- A transparent, homogenous top layer
- No surface treatment necessary if the floor needs to be non slip
- Consists of 2 layers

## APPLICATION

Normally when rubber, linoleum or PVC are used, it is necessary to strip the floor once or twice per year and to re-apply wax. With poured smooth resin floors the heavily used areas may need a new top coat after 2 or 3 years. Duratop does not require much maintenance; it only needs to be cleaned following a simple procedure. It is very durable, without any further cost other than cleaning. Hence it may serve maintenance cost in comparison with rubber, linoleum, PVC and poured floors. Duratop can be installed in CQF (Mixed coloured quartz blend appearance) and (uniform coloured quartz appearance). Utilisation cost of buildings can be better controlled by using Duratop. No maintenance and low cleaning costs.

## COLOUR CHOICE

Duratop CQF can be supplied in various colours, please refer to our colour chart. Other colours are available on request. The final colour and texture are chosen using samples.

## THICKNESS OF LAYER

The total thickness of the system varies from 3 – 7mm, depending on the quality of the base and the specification required.

## SYSTEMS

Duratop CQF (Mixed coloured quartz)

Duratop CQF (Uniform coloured quartz)

## SPECIFICATION

Comprehensive strength	80 N/mm <sup>2</sup> (Din 53454)
Bending/flexing strength	27 N/mm <sup>2</sup> (DIN 53452)
Adhesion/bond strength	>3 N/mm <sup>2</sup>
Elasticity	15000 N/mm <sup>2</sup> (Din 53454)
Linear thermal expansion coefficient	46 x 10E -6/°C
Shore hardness	78 (ISO868)
Fire classification (PV LNE)	M2 (F), 5.2 (CH), B1 (DIN 4102)
Fire classification (Euroclass)	B <sub>fl</sub> -S1
HACCP test	Gelsenkirchen, Institute of Hygiene
Chemical resistance	Very high resistance (see resistance table)

- Stronger than concrete
- High wear resistance
- High resistance to chemicals due to transparent top coating
- Waterproof
- Ideal for the creation of large seamless surfaces, increased safety and hygiene
- Good slip resistance
- Duratop CQF is very decorative and hence ideal for busy public spaces. Can be supplied in various colours.

## ADHESION/BONDING

The compressive strength of the base has to be sufficient for the application planned by the client. The base has to be completely cured and free of any cracks, dust, oil and other dirt. The concrete floor must be level and has to be vacuum blasted to remove all traces of curing compounds and to create a textured concrete surface to allow the covering to bond properly. Afterwards a regulating layer is applied; its thickness, depending on the quality of the base and the required application of the user.

## DRYING AND CURING TIME

At room temperature of approximately 20°C the floor can be walked on 12 hours after the application of the last top layer, after 48 hours the floor can be used for light mechanical traffic. After 7 days Duratop CQF has reached its complete mechanical strength and chemical stability. In the first week no liquids or chemicals should come into contact with the floor; should this happen then white or coloured marks can occur on the surface. If during the first 7 days liquid is spilled on the floor, wipe the surface dry immediately. During renovation accelerators can be used, which will shorten the processing time significantly.

## **MAINTENANCE**

Duratop CQF is a seamless and impervious floor. The floor is easy to clean with normal industrial cleaning agents. Industrial scrubbing machines and industrial vacuum cleaners can also be used. Chemical cleaning agents should not be used. If the floor is severely soiled, the floor can be sanded and wet vacuum cleaned. Maintenance details can be provided on request.

## **HYGIENE**

Duratop CQF is a seamless and impervious floor. If seamless cover skirting is required, the coating can be applied in one continuous layer on both floor and skirting.

## **TECHNICAL ADVICE**

For further information on this or other products, please contact our Customer Care Department on +44 1942 261155