

Surface hardener premix

DUROQUARTZ is a ready-to-use dry shake hardener.

It is a combination of factory premixed assorted quartz and cement.
Suitable for increasing the abrasion resistance of freshly laid monolithic concrete floors, cement based screeds.

AREAS OF USE

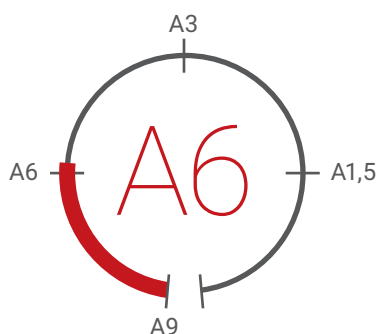
- outdoor concrete surfaces
- under resin covers
- moderate duty floors

PRIMARY FEATURES

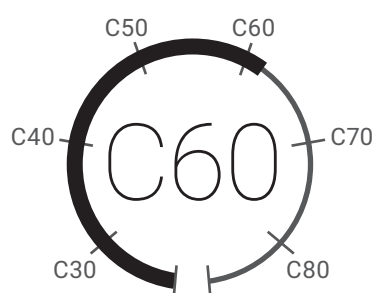
- easy to clean, dust free
- covers the steel fibers on the surface
- moderate abrasion resistance



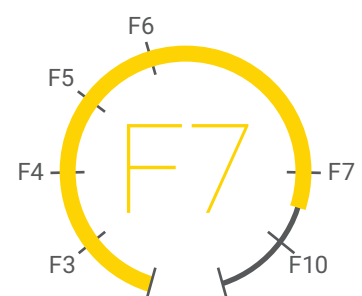
BÖHME ABRASION RESISTANCE



COMPRESSIVE STRENGTH



FLEXURAL STRENGTH



product description

duroquartz

DUROQUARTZ is a moderate abrasion resistant surface hardener. Besides natural grey it is available in 4 different colors. It is designed for finishing steel fiber reinforced concrete slabs.



MAIN FEATURES

- Easy to clean and maintain
- Dust free
- Moderate abrasion resistance
- Non-slippery
- Cost-effective
- Non flammable

TECHNICAL DETAILS

- Abrasion classification: A6
- Compressive strength: $\geq 60 \text{ N/mm}^2$ after 28 days
- Flexural strength $\geq 7 \text{ N/mm}^2$ after 28 days
- Hardness by MOHS scale: 6

INSTALLATION

The installation of DUROQUARTZ is carried out simultaneously with the laying of the new concrete surface, which assures the perfect binding between the concrete and the dry shake hardener. Material consumption highly depends on the color. For further information refer to our Design guide.

MANUAL SPREADING (DRY-TO-WET)

The fresh, step resistant concrete should be pre-polished to ensure that DUROQUARTZ hardener should be spread evenly onto the surface in two to three layers ($2\text{-}5 \text{ kg/m}^2$). The spreading process can be carried out by either a manual spreading cart or by a shovel.

USING A SPREADER MACHINE (DRY-TO-WET)

After levelling the surface with a Laser Screed, DUROQUARTZ should be spread directly on to the fresh concrete in one or two layers. $2\text{-}3 \text{ kg}$ are enough to finish steel fiber reinforced concrete slabs. This quantity will not increase significantly the abrasion resistance of the floor.

SLURRY APPLICATION (WET-TO-WET)

DUROQUARTZ cannot be used for slurry application.

DUROQUARTZ FLOOR FINISHING PROCESS

This part of the DUROQUARTZ installation process is done by either hand trowels and/or by double disc power trowel machines until the surface becomes smooth, hard and shiny. The quality of the floor can only be ensured, if the installation instructions are followed properly. (Please read our detailed Installation guide.)

CURING – AFTER CARE

DUROQUARTZ floors need to be protected against quick evaporation that may result in cracking. DUROCURING and DUROSEAL are curing agents that can be used for this purpose.

JOINTS

To make saw cuts, we suggest to use DUROCUT blades. Until a final close of saw cuts, DUROPLAST PVC joint profile strips will protect the edges of saw cuts. DUROFLEX PU joint sealant and DUROFOAM rolls are for permanent joint filling.

FIRST TIME USE AND MAINTENANCE

Before the use of the new floor can begin, the following drying periods and precautions must be obeyed:

Pedestrian traffic: 2 days.

Light traffic: 7 days.

Intended normal traffic: 28 days.

For cleaning purposes, use only Ph neutral detergents. (Please, refer to our Maintenance guide.)

PACKAGING

In bags of 25 kg on 1200 kg capacity pallets.

STORAGE

The shelf life of DUROQUARTZ is 12 months, when stored in dry and non-frost, cool conditions.

Warning!

This product description is based on laboratory tests and on the results of our own experiences. Material consumption and installation process can be influenced by additional circumstances of the application process as well. The contractor responsible for the application should verify our prepositions by a preliminary test and ensure that the conditions of the installation are ideal. We do not take any responsibility for any damage caused by defective installation. For security measures, please ask us for the product safety data sheet.