

# Tiling and grouting in industries/heavy duty sites



## Special industries

Some areas require materials with high chemical resistance; such as food and beverage industries, chemical industries, car showrooms... etc.

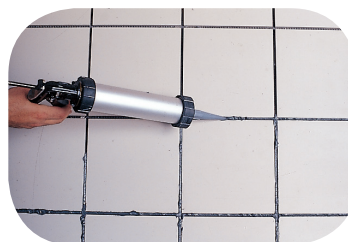


## Chemical resistant grouts

When ceramic tiles are used in such applications, they are highly exposed to chemical attacks. A special chemical resistant grout is needed.

## Heavy duty applications

Epoxy grouts are extensively used in heavy duty ceramic application designed to protect against severe chemical attacks, abrasion and high pressure cleaning.



**Recommended products** (refer to product selector p6)

#### Tile adhesives

#### Tile grouts



## 1- Substrate preparation

Ensure that the joints are clean, free from residual or excess material. Grouting should be done once the tile adhesive is completely cured. Dust will cause the epoxy bond to fail.

## 2- Method of application

### Tile adhesive

**webercol epo plus** should be properly mixed using an electrical mixer with low rotation speed (<300 rpm) to obtain a homogenous mixture free of lumps. Part B (Hardener) is to be added to part A (Resin). Mix part A and part B for 1 minute to ensure the proper chemical reaction.

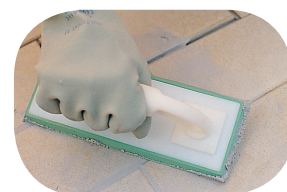
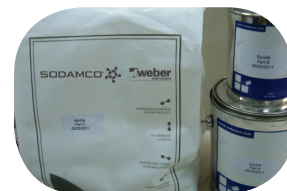
Gradually add part C (Filler) to the premixed parts A and B and continue mixing for 2 minutes until all the aggregates are completely wetted by the epoxy.

**webercol epo plus** can be used to tile on metal as well (consult TDS for details)

### Tile grouting

Remove Part B (Hardener) from inside the part A (Resin + filler) pail and pour it into the part A. Mix well with a suitable electrical mixer at low speed (around 2 minutes) to ensure the proper chemical reaction until a smooth paste is obtained. Do not mix part A separately. Do not add water to the mixture.

**weberepox easy** should be applied directly into the joints. By using a rubber trowel or scraper fill the empty joints diagonally at a 45 degree angle to ensure the joints are well filled. Remove excess grout with a grout float. Smoothing the joints by using a wet sponge then clean the tiles immediately, before the product dries, by using a clean and wet sponge. **Weberepox easy** can be applied for joints width from 2 to 10mm.



### Note

- Food should not be in direct contact with epoxy based material.
- Installations where a tile needs to be bonded to special surfaces as metal: use webercol epo plus
- When deterioration can be caused by chemical erosion, extreme temperatures and even bacterial attack, it is recommended to use webercol epo plus and weberepox easy.