

## SB 312

### Description:

A water-based synthetic rubber dispersion (SBR) for improving workability and water impermeability when mixed with cementitious mixtures such as facades, leveling layers, repair mixes and adhesive pastes

### Application

Used as an admixture to improve flexibility, adhesion, and water impermeability properties of cementitious mixtures for leveling layers, facades and repair mixes and adhesive pastes .

### Properties:

Improves adhesion to all surfaces  
Increases abrasion resistance .  
Improves water permeability .  
Improves flexibility.  
Increases resistance to freeze-thaw cycles  
Increases chemical resistance to acids, dilute alkalis, salt solutions and oils

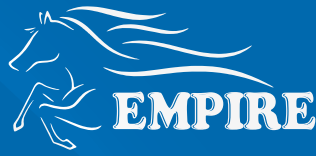
### Application

The base layers should be sound, free from oils and greases and sufficiently dry .

The cementitious base layers should be dry  
Empire SB 312 should not be shaken too much to prevent air ingress.

Dilute with water Empire SB 312 in a suitable container according to the recommended ratio below for specific applications. Pour the solution into the concrete mixer and add the cement and aggregate, preferably mixed beforehand to avoid lumps.

Mix well until a homogeneous mixture is obtained



## Usage in facades :

(Mix cement with sand in appropriate size) in a ratio of 15-14, and prepare the solution using Empire SB 312

SBR with water in a ratio of 1:4, and add the solution to the powder mixture in an appropriate amount.

Use in restoration mixtures

Mix cement with sand in a ratio of 14-13, and prepare the solution using Empire SB 313 without dilution

Use in leveling layers

Mix cement and sand in appropriate size in a ratio of 14 - 13 using Empire SB 312 without dilution. Apply the mixture with a brush until it reaches a thickness of 2 mm while the previously applied adhesive mortar is still wet. Stir the mixture for 3 - 2 minutes until it becomes smooth, and discard the expired mixture. Clean tools and hands with water, and clean surfaces with a damp cloth before starting the application. After application, in very warm or windy weather conditions, Empire SB312 mortar should be dried as a mixture carefully to avoid rapid evaporation of water, which may cause surface cracks due to plastic shrinkage .

