

Damage patterns brick masonry

Exercise

The goal is to get familiar with different damage patterns of brick masonry and to explore the causes and damage processes which might be responsible for the damage. Only if one attacks the damage cause a sustainable refurbishment is possible.

- Alternative 1: The participants regard together with the teacher the images of the damages on a screen (PPT presentation). In the plenary the damage images are analysed. The group discusses possible causes and damage processes. Hereby a list of damage patterns including comments supports. The photos are to be matched with the damage patterns of the list.
- Alternative 2: The participants work together in small groups without the teacher. They analyse the damage patterns and discuss possible causes and damage processes. This alternative is more suitable for advanced learners. If desired the list can be used without the comments on the causes to increase the level.

Afterwards the participants can look for appropriate refurbishment measures. But this will be only vaguely possible for exact analysis results are missing. These will be dealt with in the learning package 'Analysis of weak points'

Material:

- Photos on the screen or on sheets printed in colour.
- List of the damage patterns with or without comments