

## Repair of an chipped edge of the terrazzo element



The terrazzo element is characterized by, among other things, good properties, high strength and surface toughness. However, if a terrazzo element falls or a larger body falls on the edge of the element, the edge or corner of the terrazzo element may be chipped. A huge advantage of terrazzo elements is the ability to repair such damage. With a little careful work, the repair can be done very accurately, quickly and at a very low cost. If the repair is careful (especially as far as the shade is concerned), then over a period of time the repaired part will not be recognized - there will be a color unification.

What matters most:

1. Using the same composition of a terrazzo mixture
2. When mixing the terrazzo mixture for repair, well estimate the color of the mixture. If the color pigment is used in the substrate, we recommend one day to mix a small amount of the repair mixture and spread it on foil or hard cardboard and heat with a heat gun. After the surface has dried, you can quickly compare the color (correct saturation of the repair compound and the original colors of the terrazzo element).
3. Good cleaning of the repaired place - necessary for quality connection of concrete and element.
4. Grinding, troweling (with spatula) and polishing of the repaired place

Description of the repair procedure:

1. The edge on the terrazzo element was offend (broken)



2. Reparation - the broken area must be carefully mechanically cleaned and loose particles removed. If the place is dirty, it is necessary to wash it with a wire brush. If it is greasy - for some reason, the damaged area must be degreased. This procedure is very important for connecting the repaired concrete mix



3. Subsequently, we prepare a terrazzo mixture for repair, which is based on the mixture that was used for the production of the terrazzo element. It is important to use the same cement in order to achieve the same final color of the repaired area. If the terrazzo element is colored into the material, we recommend heating the small part on the step after mixing the concrete mixture for repair, with a heat gun to approve the final shade. **If the maximum color unification does not occur in this moment, then it cannot be corrected later.** Before starting the application, soak the element properly to prevent water from being sucked out of the mixture, which is needed to harden the mixture for repair. We apply the repair mixture about 2-3 mm above the ground surface - necessary for the subsequent "uncovering"

of the terrazzo drawing" after grinding. Apply the layer carefully over the entire area of the repaired area



4. After applying the terrazzo mix, it is necessary to cover the repaired area with a piece of PVC foil so that the concrete mix used for the repair does not dry out quickly. The PVC foil is



attached with adhesive tape or in another way



5. After two to three days, the foil can be removed and rough grinding can be started. The mixture used for the repair should be hardened and compact





6. A diamond wheel is used for grinding - for rough grinding and a fine abrasive wheel for fine polishing - see photo 16. When grinding, it is necessary to take care of the surroundings = grinding under water or with suction



7. By grinding with a diamond wheel, we grind the repaired place to the level of the surrounding element, see photo 17 and photo 7. If there is an air bubble or pore at the repaired place, we recommend tamping the said bubble or pore with cement paste before fine grinding







8. We finish the repaired place by fine grinding to the quality and fineness of grinding of the whole terrazzo element. We use the same fineness of sandpaper. The fineness of 100 - 200 is most often used for terrazzo products.



9. The repaired area is then impregnated together with the entire terrazzo element – see the picture



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