Lifespan of nozzle tips

Nozzle tips with metal

Nozzle head with thread and firm grip

Both nozzle tips and nozzle heads are wear parts that wear out and need to be replaced after a certain number of square meters of jointing. At some point between 100 m^2 and 300 m^2, they will be worn out, and the metal nozzles will break off.

Depending on:

- How you use your mortar joint gun
- The type of mortar you are using
- The consistency of the mortar you are using (is it smooth and long?)
- The depth of the joints

You can expect different lifespans measured in square meters. You can influence the lifespan of the nozzles yourself.

Using a mortar joint gun: always ensure that the screw is correctly seated as an incorrect position wears out the nozzle head and nozzles more quickly. **The type of mortar is very important:** the most abrasive is a lean sand mortar 0-4 mm. The gentlest is a 0-2 mm hydraulic mortar. For all types of mortar, the fatter (fatter = higher lime content) the more gentle.

Consistency is crucial: you can add hydrated lime / slaked lime or plasticizing GlipCo to make the mortar long and smooth. **Depth of the joints:** all indications here are for 26 mm deep mortar joints. If you joint deeper, the expected lifespan is reduced accordingly.

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These 4 examples assume that the screw is correctly installed after replacement:

Example 1: Sand mortar 0-4 mm 6.6% mixed with cement and mixed with a whisk without any other additives: expect a maximum of 100 m^2. **Example 2:** Joint mortar 0-2 mm 6.6% mixed with cement and mixed with a whisk without any other additives: expect a maximum of 200 m^2. **Example 3:** Sand mortar with the addition of hydrated lime mixed with cement and mixed in a compulsory mixer for 20 minutes: expect 200-300 m^2. **Example 4:** Sand mortar mixed with cement and mixed in a compulsory mixer for 20 minutes and added plasticizing GlipCo: expect 200-300 m^2.

Dry mortar: A lean dry mortar is a mortar that has little binder and little lime. The type of binder also matters.

The leanest standard KC mortar available on the market is 50/50/700. The 700 indicates that the sand constitutes 7/8 = 87.5%. A fatter standard dry mortar is, for example, a 35/65/500. The 500 indicates that the sand constitutes 5/6 = 83.3% of the mortar. You will clearly notice the difference when you mix. 50/50 (lime/cement) is better than 35/65 (lime/cement) as higher lime content gives a fatter mortar. The absolute best mortar is an NHL sand mortar 35/65/500 (hydraulic mortar). It goes directly through the mortar gun without the need to add anything at all. And it is even better for your masonry as NHL mortar is breathable. Read more at: www.scankalk.dk/product-page/kopi-af-nhl-mørtel-35-65-500.