

Stay curious!

Innovative 3D-Printing solutions from BASF.

Project Snapper

Virtual engineering approach has been used to understand the problem, develop a solution and show feasibility by using numerical methods.

 **BASF**
We create chemistry

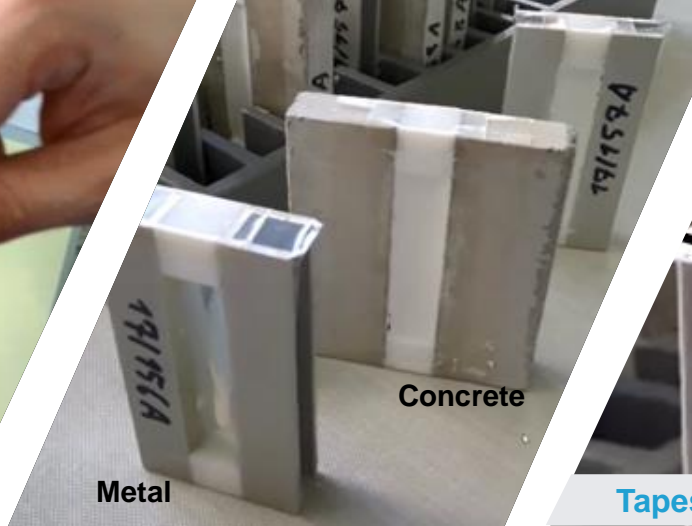




Inject adhesive

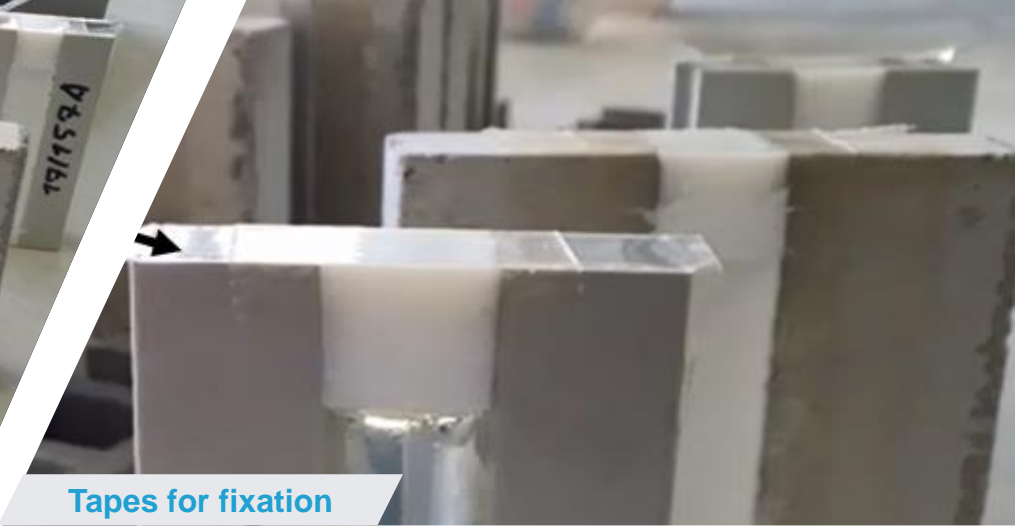


Remove Overflow



Metal

Concrete



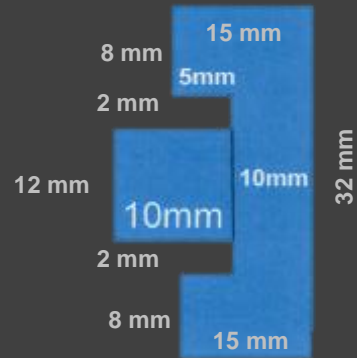
Tapes for fixation

Project Snapper – BASF Adhesive research contacted us (ED)

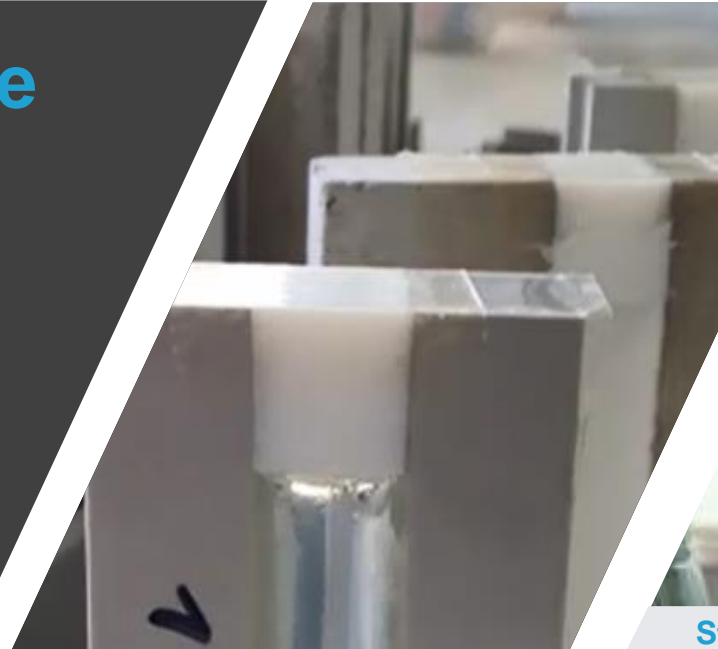
Dispersions for Construction

Using tape

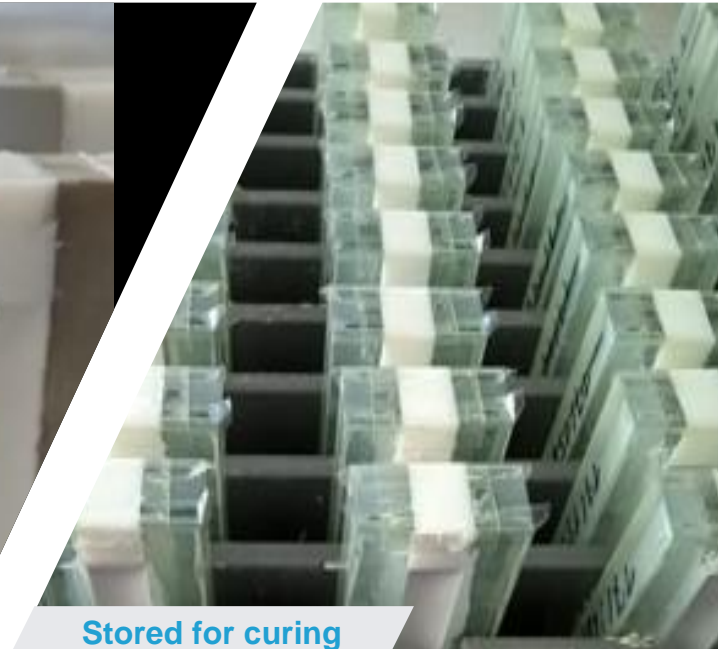
- Takes long for preparation
- Not robust enough
- sometimes falls apart
- Not exact enough



1st draft by customer

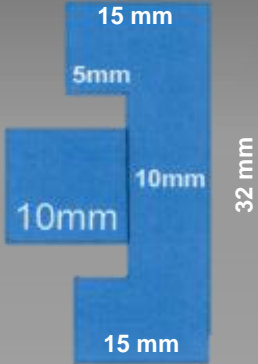


Stored for curing

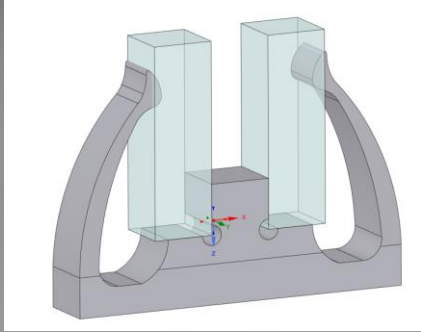
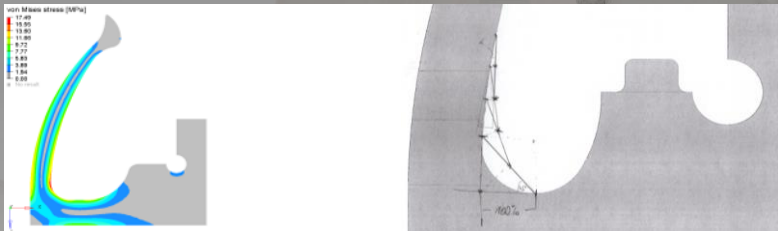
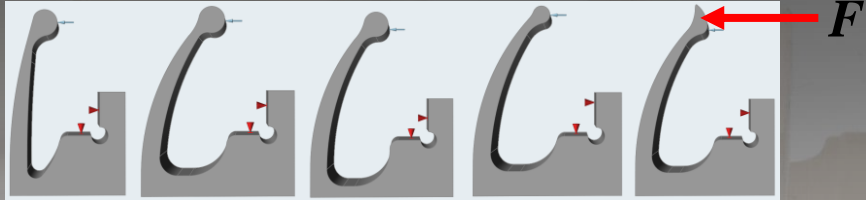


Project Snapper

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Some quick design ideas



1st draft by customer



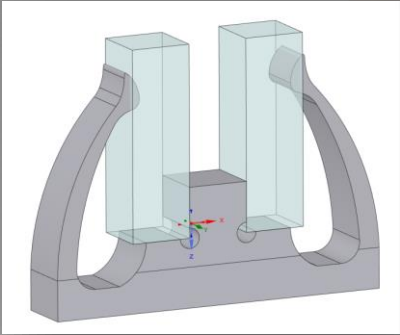
Think out of the box
Come up with new concept



1st concept: Snapper
Use Snap fits and interlocking fixations

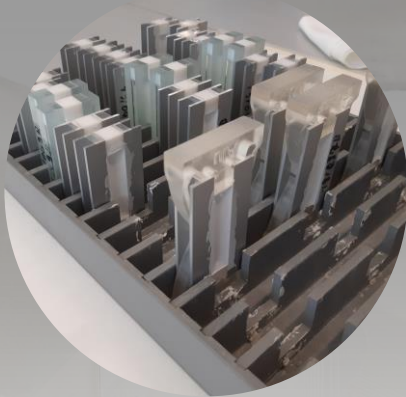
Project Snapper

Virtual engineering approach has been used to understand the problem, develop a solution and show feasibility by using numerical methods.



**1st concept:
Snapper**

Use Snap fits and interlocking fixations



**1st functional prototype:
Ultracur3D RG 35**

Ultracur3D RG 35 thanks to its properties...



High accuracy



No water uptake



Low shrinkage

...perfectly fit the application need



The result of the parts



We create chemistry