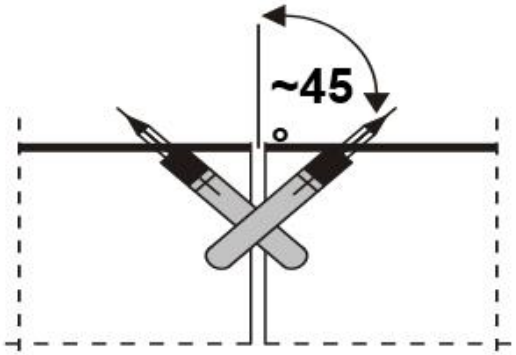
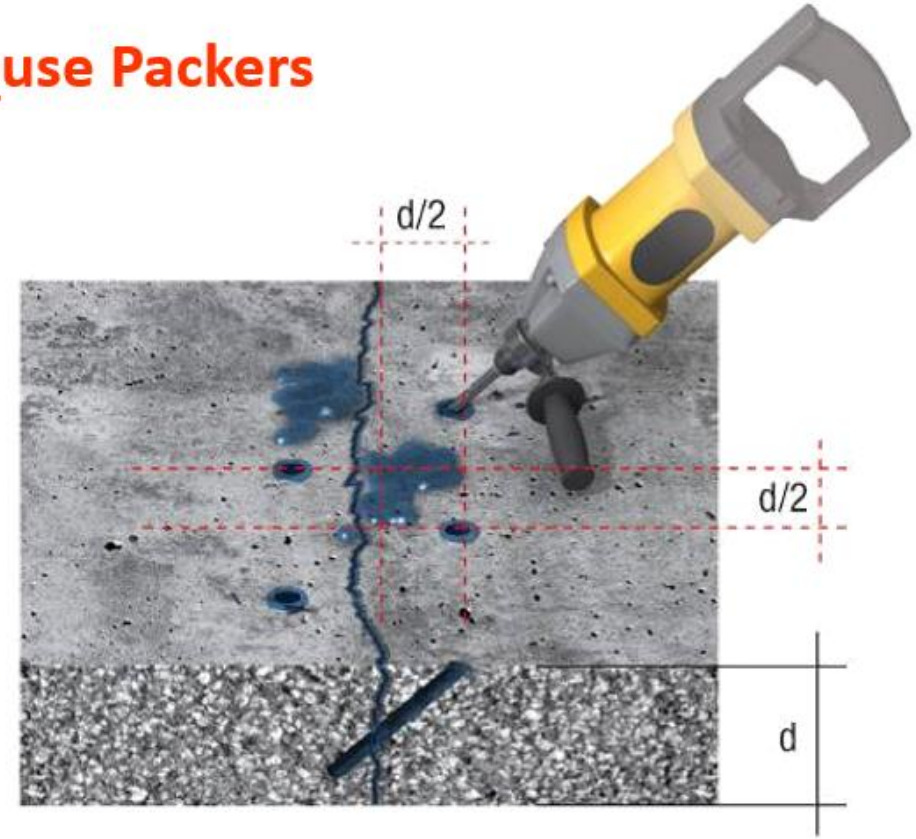
Polyurethane Injection: use Packers

- Drill packer holes at a **45°** angle to the concrete
- Ø of drill hole = Ø of packer + 1-2mm
- Drill hole depth: ~d

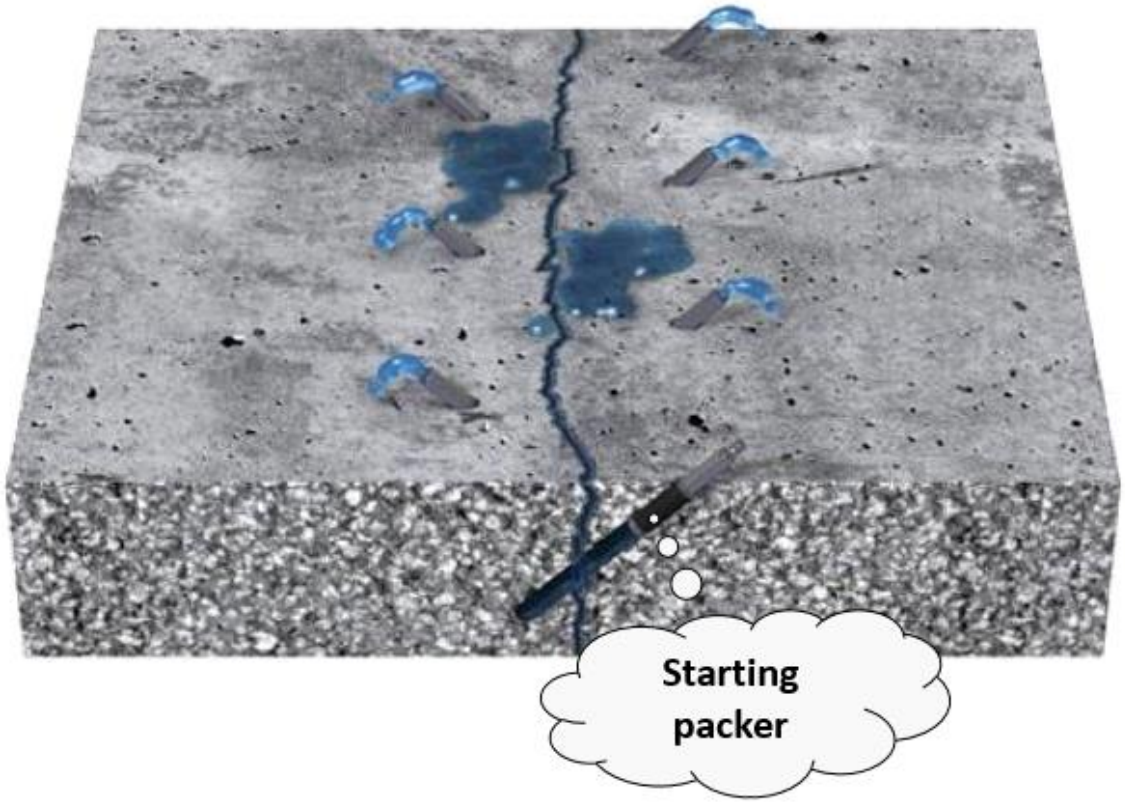




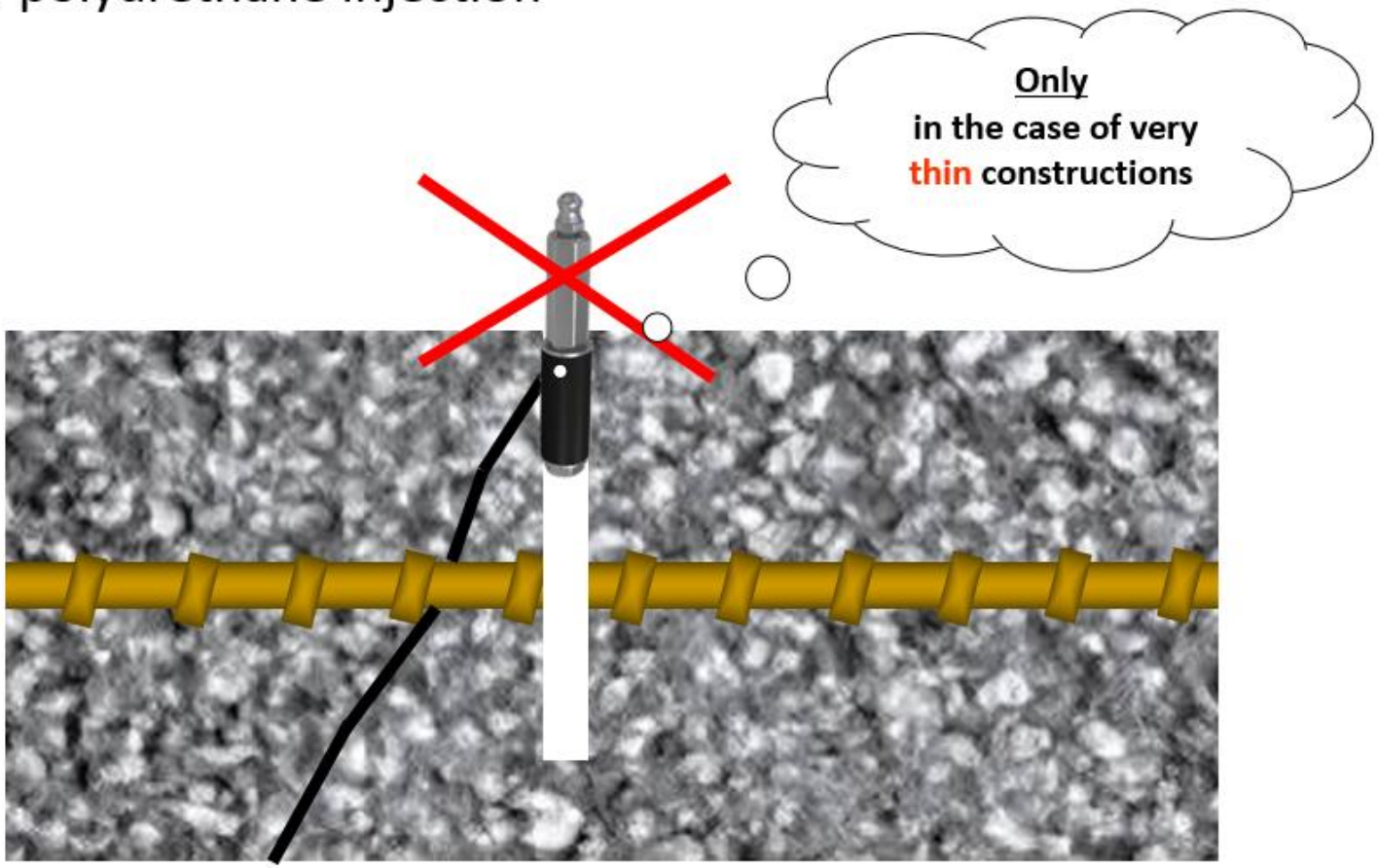
d: building component thickness
d/2: interval
- from packer to packer
- from packer to crack

Step by step: Polyurethane injection

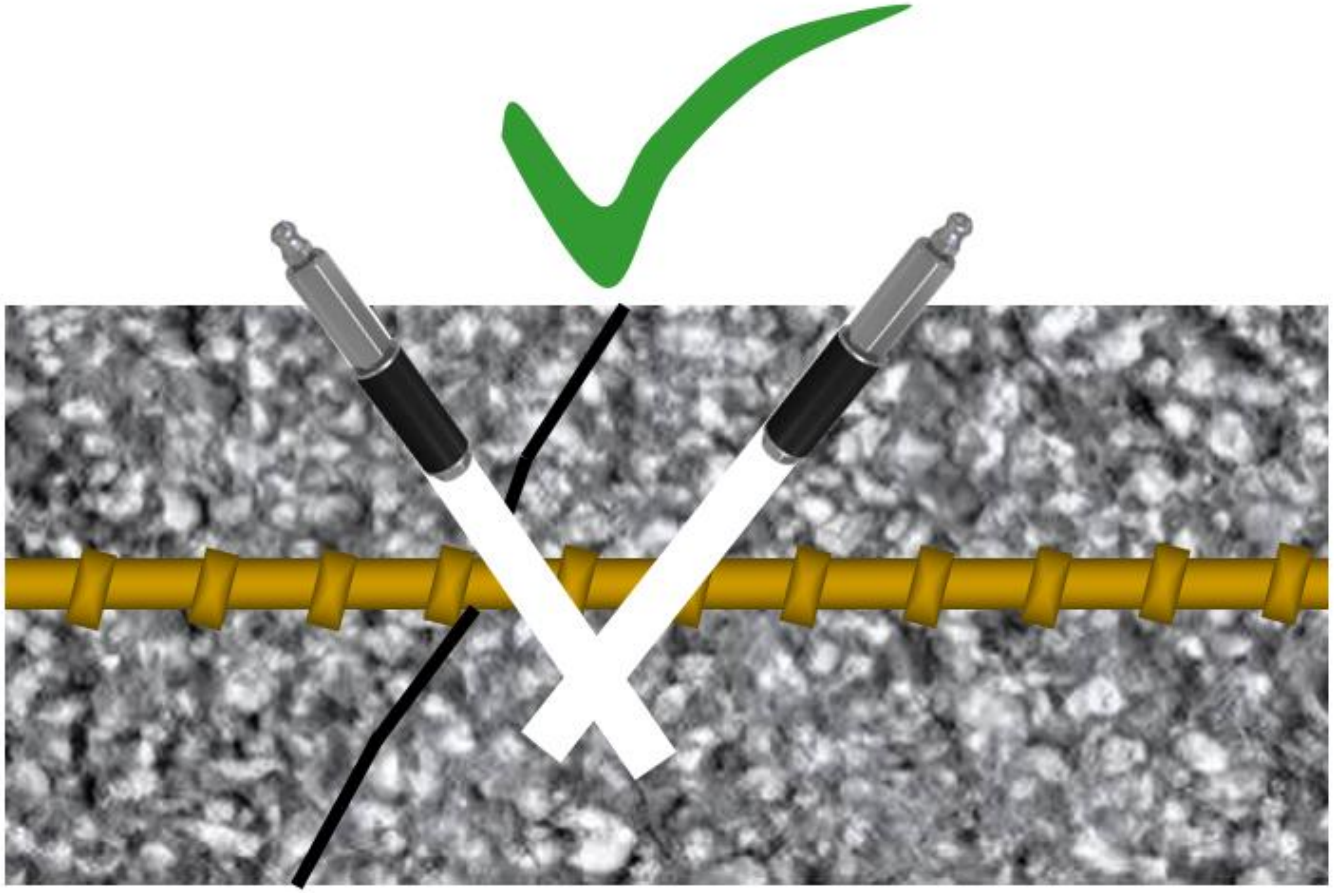
1. Drill packer holes, brush and blow, install packers



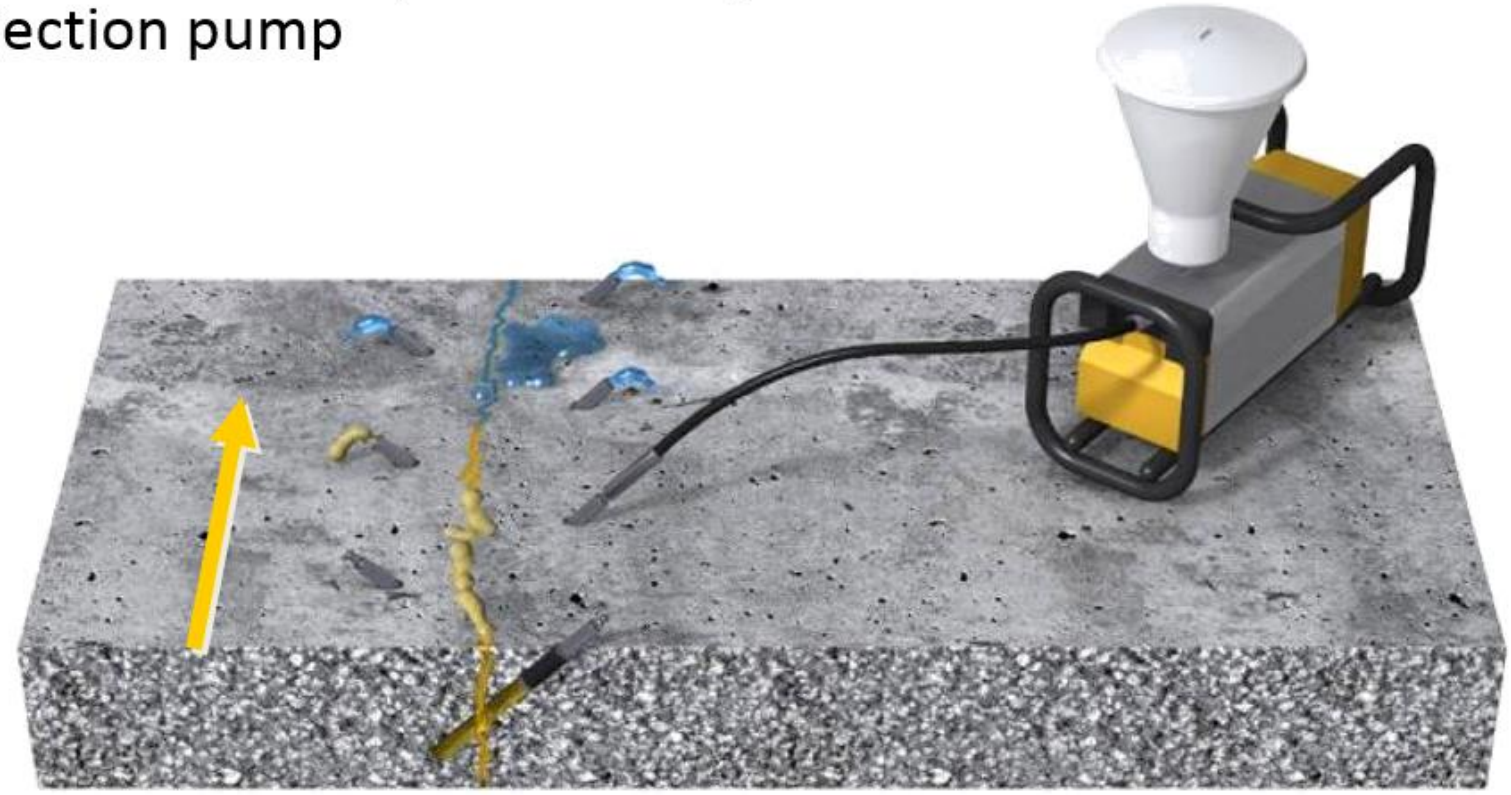
Typically packers are not installed face on to crack for polyurethane injection



Cross drilling of cracks will ensure intersection when preparing for Polyurethane Injection



1. Pre-flush cracks with water or 5%Phosphoric acid solution and finally with water using dedicated flushing pump
2. Proceed with Polyurethane injection with injection pump



•Injection pressures

Good rule of thumb….

Start at 75 psi



Polyurethanes and Acrylates may be pumped to refusal up to high pressures up to 1500psi

Epoxy injection pressures

Typically under 100psi

