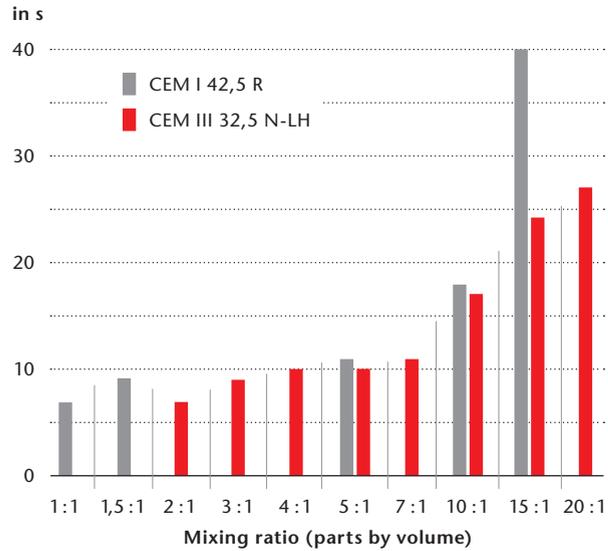


Processing times

with CEM I 42.5 R and CEM III 32.5 N-LH
at various mixing ratios

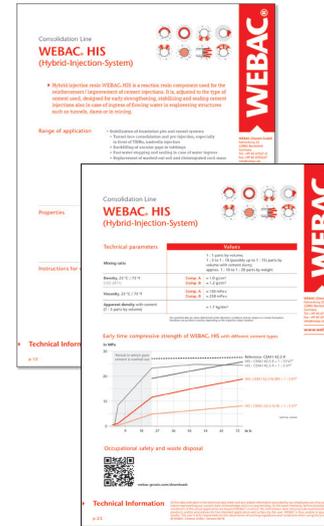


Further information

The technical data sheet of our Hybrid-Injection-System can be found at any time in the **download area** at webac-grouts.com.



Here you will find the technical data sheets of all our products, all application brochures and WEBAC Newsletter.



WEBAC®

WEBAC® HIS

Hybrid-Injection-System



Injection of WEBAC® HIS

Check back from
time to time –
do not miss any
news!

webac-grouts.com

WEBAC®

Our Formula – Your Solution

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WEBAC® HIS

The positive properties of cement and PU in one system: this is **WEBAC® HIS**. With a lot of experience and know-how, we have succeeded in developing the WEBAC Hybrid Injection Resin.

WEBAC Hybrid Injection Resin is a reactive resin component to modify and improve cement injections.

Early strengthening, stabilizing and sealing cement injections are possible – even with the ingress of flowing water.

Properties

- Reactive component for large-scale cement injections, adjustable to many types of cement
- Fast strength development
- Suitable for cutting and planing
- Aquatic and terrestrial environmental compatibility (column experiment)
- Economical
- Usable as primary and secondary grouting material

Range of application

- Filling of cavities and voids in tunneling
- Injection of annular gaps in segmental lining
- Stabilization of foundation pits and tunnel systems
- Tunnel face consolidation and pre-injection, especially in front of TBMs, umbrella injection
 - Backfilling of annular gaps in tubings
 - Fast water stopping and sealing in case of water ingress
 - Replacement of washed-out soil and disintegrated rock mass
- Ground stabilization
 - Slope stabilization
 - Stabilization of unstable soil areas in earth- and damworks

- Stabilization measures using anchor systems
- Filling of cavities and voids
 - Consolidation of karst and unconsolidated rock, gravel and crushed rock layers

Advantages

- Combines the positive properties of cement and PU in one system (performance)
- Fast reaction time even underwater
- High early strength
- Material saving
- No uncontrolled flow off of cement suspension

If required, HIS injection resin can be combined with accelerators or foaming agents from the WEBAC modular system. Feel free to contact us if you need advice!



Annular gap filled with WEBAC® HIS (cut open for illustration)

Early compressive strength of WEBAC® HIS with different cement types over time

