



nZEB u obnovi / TRESS

Tehnička rješenja za energetska
i statičku sanaciju zgrada

Af

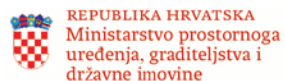
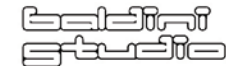


Sveučilište u Zagrebu
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University of Zagreb
Faculty of Architecture

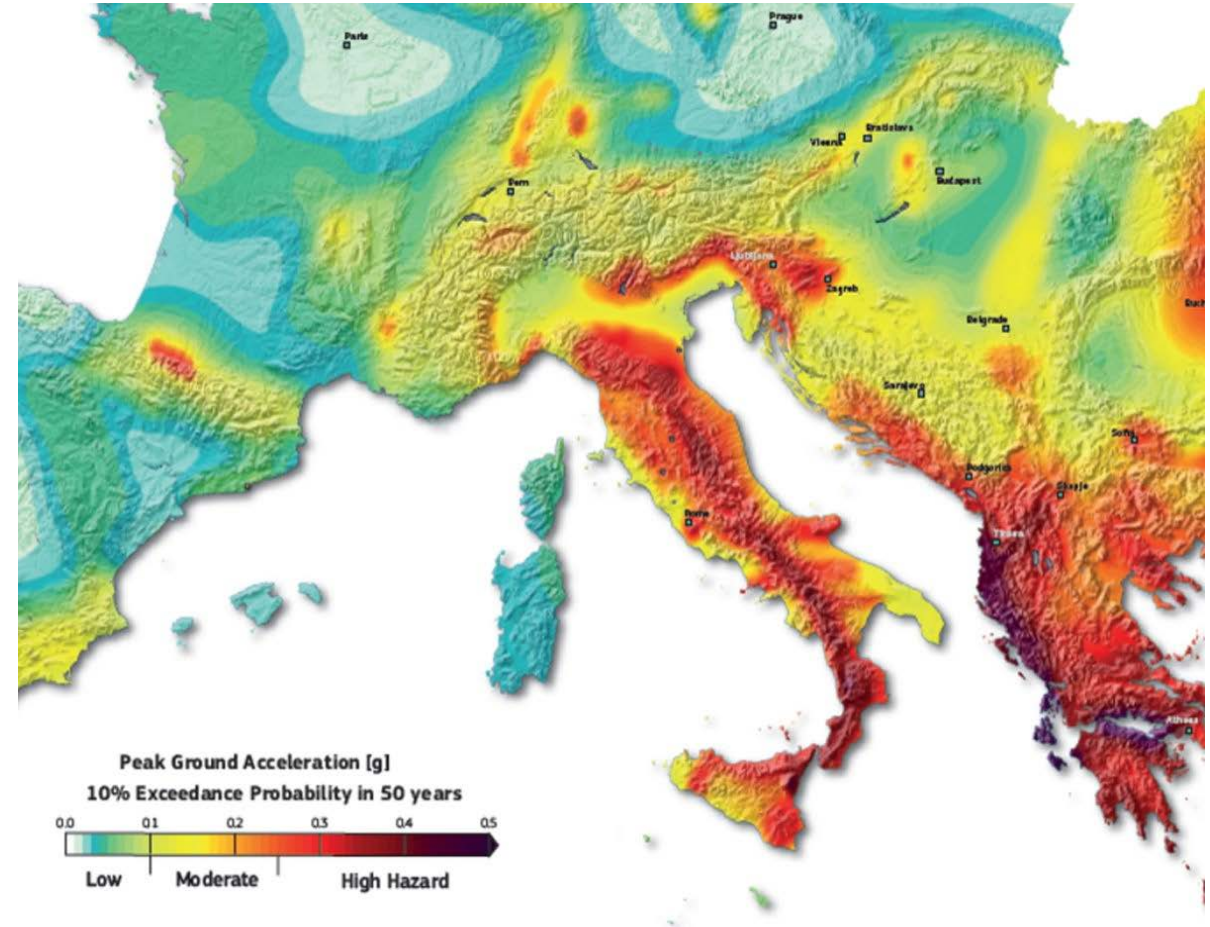
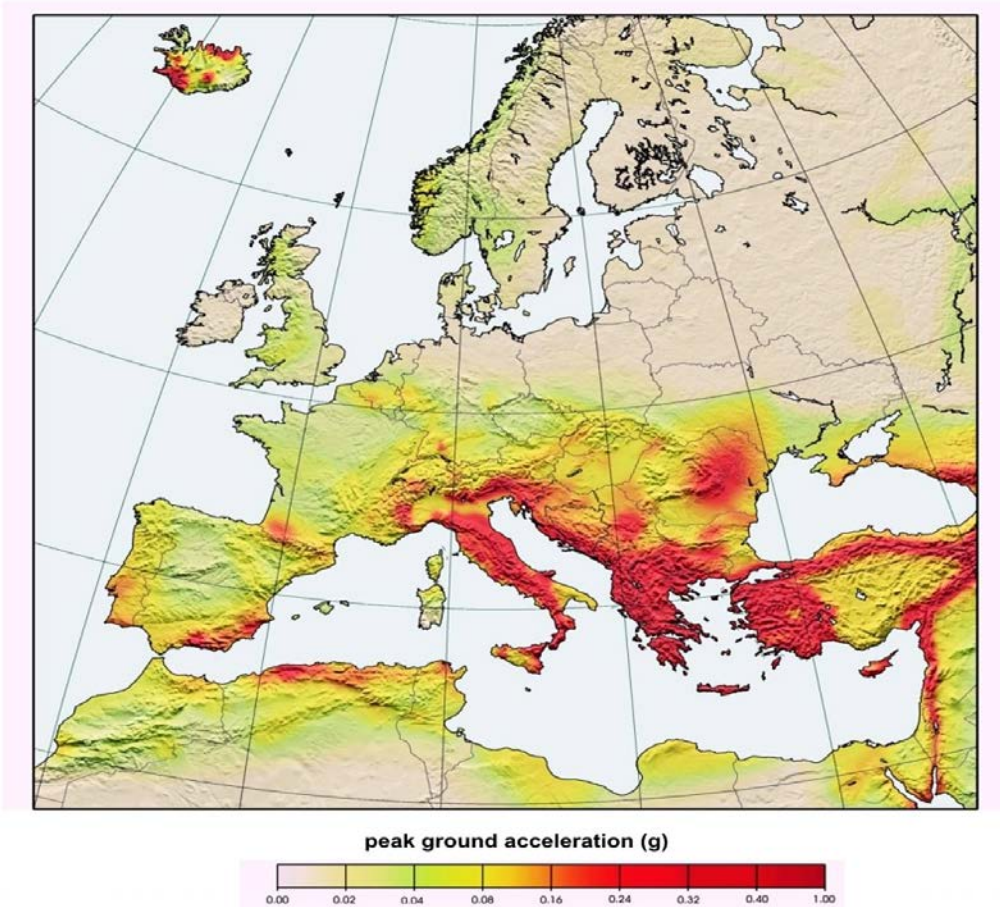


Sustavi za sanaciju i ojačanje zidanih konstrukcija (FRCCM)

Marko Iveković



Mapei iskustvo



Mapei iskustvo

potres
Assisi

potres
**San Giuliano
di Puglia**

potres
L'Aquila

potres
Christchurch

potres
Emilia

potres
Amatrice

potres
Mexico city

1997

2002

2009

2011

2012

2016

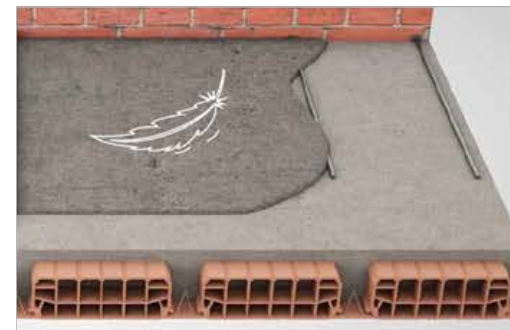
2017



**FRP
System**



**FRG-FRCM
System**



**HPC
System**



**MAPEWRAP EQ
System**

Pristup i postupci sanacije

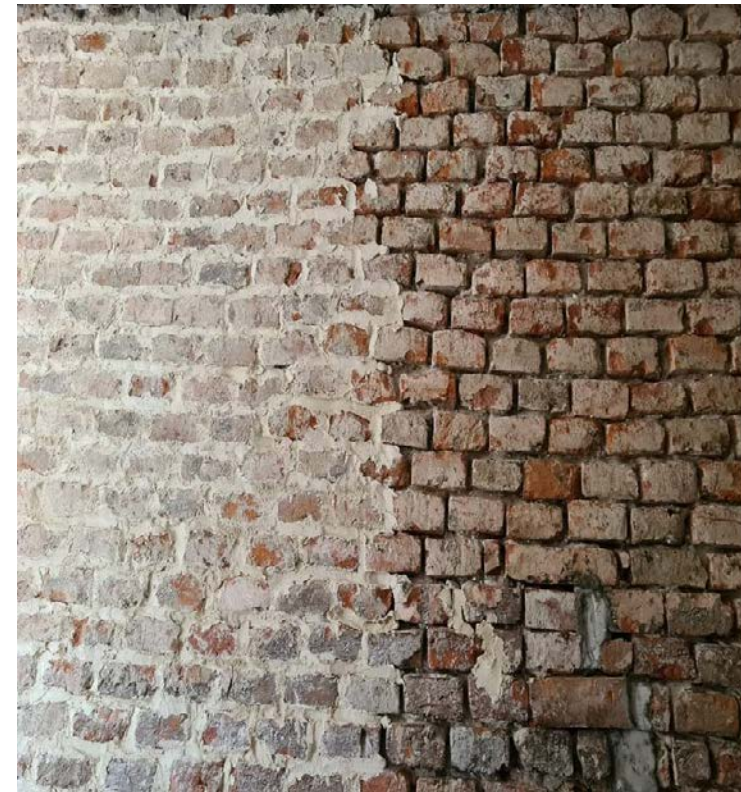
UTVRĐIVANJE STANJA

KONSOLIDACIJA

OJAČANJE KONSTRUKCIJE



Konsolidacija

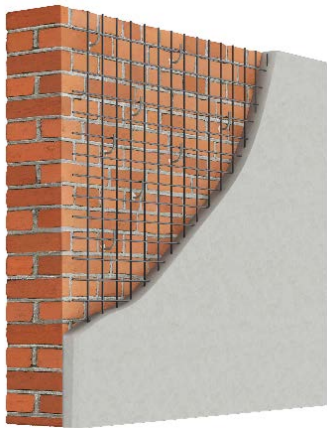


Konsolidacija – niskotlačno injektiranje



OJAČANJE

Tradicionalno ojačanje torkretiranjem



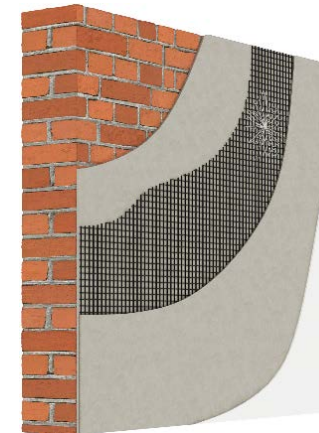
- debljina sloja min **5 cm**
- mala kompatibilnost s podlogom
- **korozija**
- **velik broj sidara**

CRM Composite Reinforced Mortars



- debljina sloja **3,5 – 5 cm**
- metalne ili AR staklene mreže
- **mehanička kompatibilnost**
- **veliki broj sidara**

FRCM Fabric Reinforced Cementitious Matrix



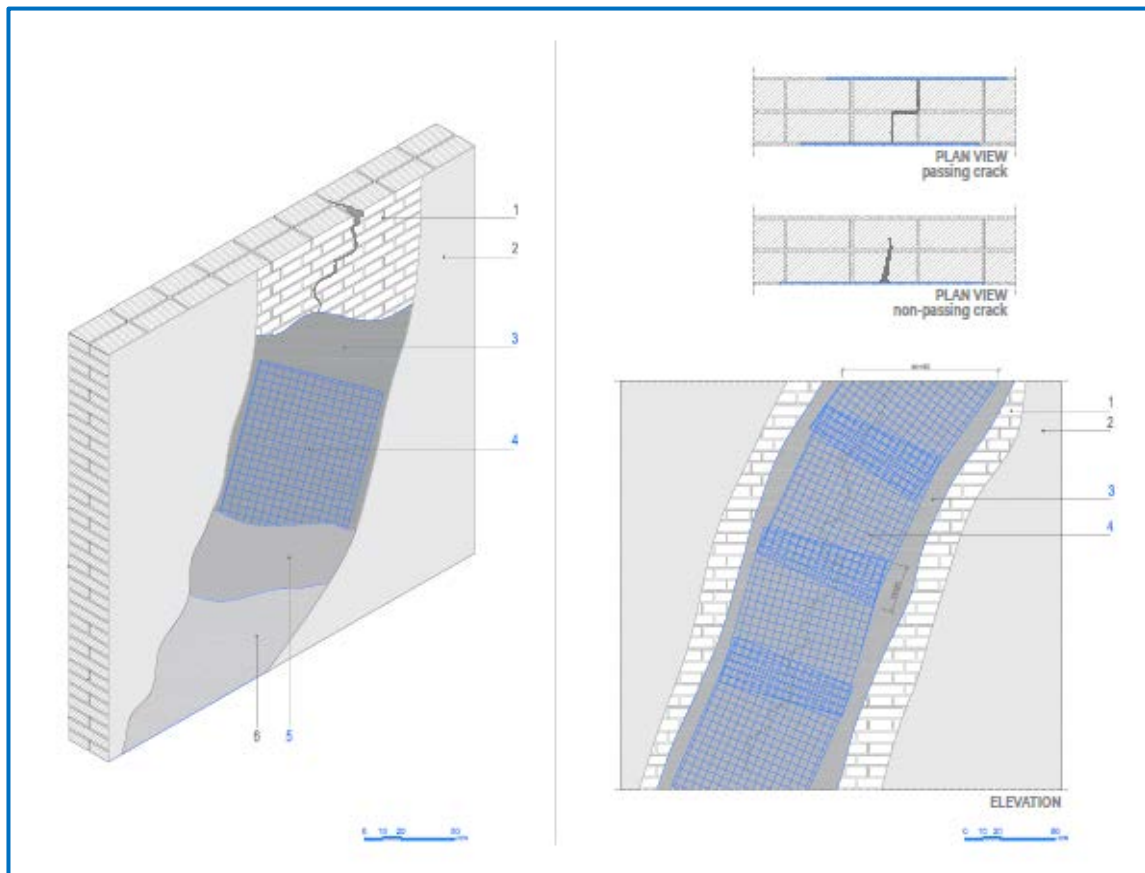
- debljina sloja **1,5 cm**
- **visokokvalitetno ojačanje**
(staklena vlakna, bazalt, karbon)
- **velika prionjivost**
- **mala potreba za sidrenjem**

Ojačanje konstrukcije – FRCM sustav

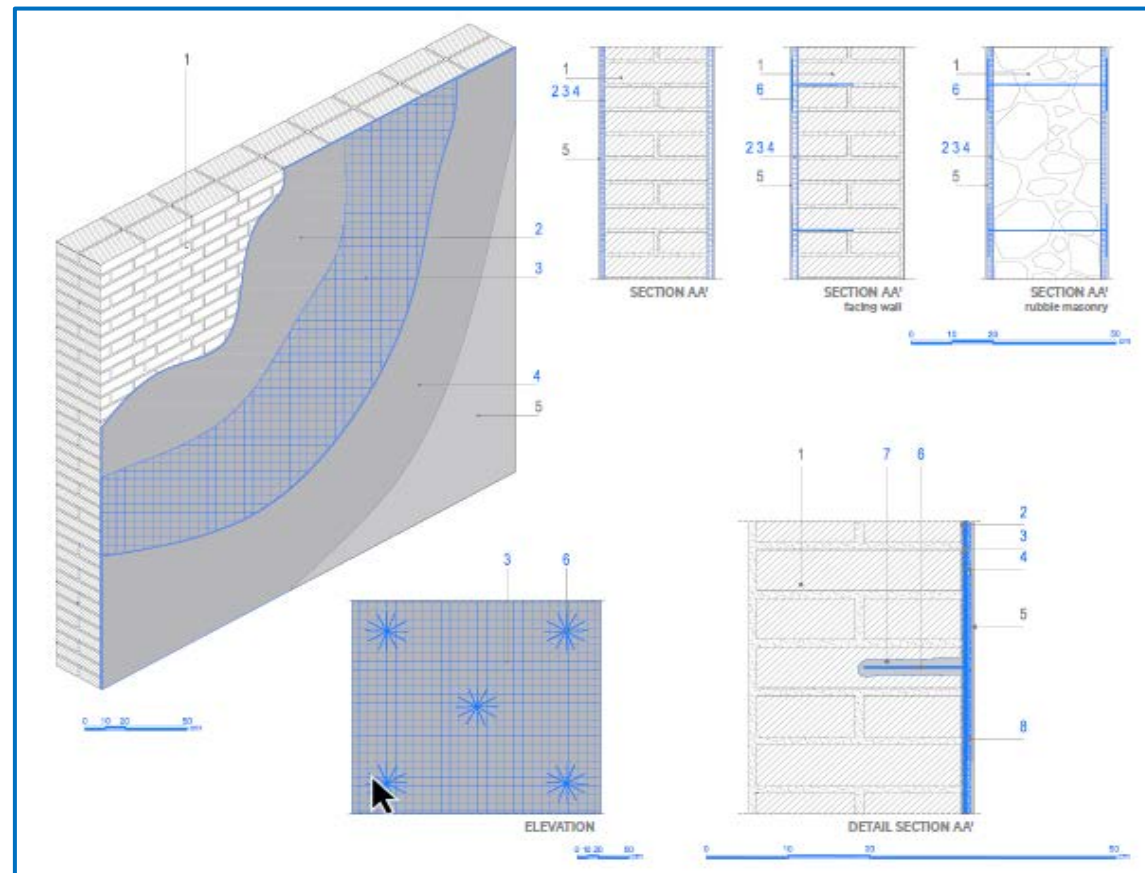


Ojačanje konstrukcije – FRCM sustav

Lokalna sanacija pukotina



Ojačanje zidova



Ojačanje konstrukcije – FRCM sustav



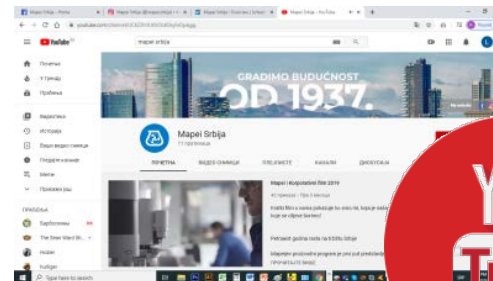
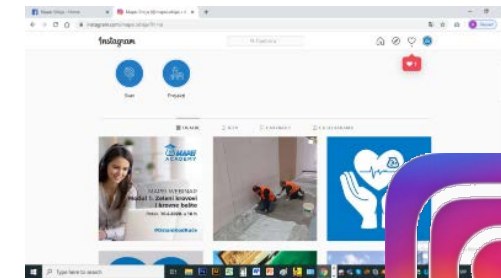
Ojačanje konstrukcije – FRCM sustav



Ojačanje konstrukcije – FRCM sustav



SVE NOVOSTI PRATITE NA NAŠIM DRUŠTVENIM MREŽAMA



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HVALA NA PAŽNJI!

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