TRADITIONAL STRENGTHENING OF MASONRY WALLS

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European Erasmus Mundus Master Course
Sustainable Constructions under Natural Hazards and Catastrophic Events
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TRADITIONAL STRENGTHENING OF MASONRY WALLS

• Surface treatment
  • Ferrocement
  • Shotcrete
• Grout injection
• External reinforcement
  • Diagonal steel strips
  • Rectangular mesh of steel strips
  • Three-dimensional tying systems
• Confining masonry
  • RC tie columns and beams
  • Center core method
• Post tensioning
  • Internal / External
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- Strengthening of masonry walls based on FRP:
  - Unidirectional
  - Bidirectional
  - Polymer grids
  - Strengthening of mortar joints
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