USE OF COMPOSITES FOR THE STRENGTHENING OF CONCRETE STRUCTURES

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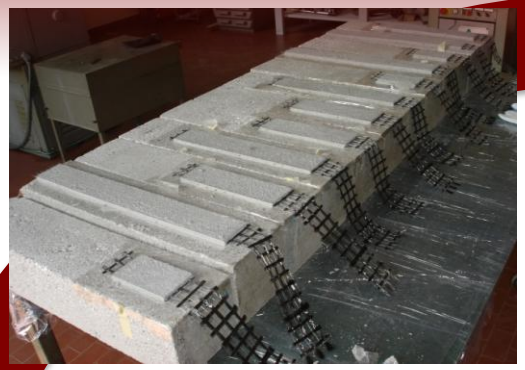
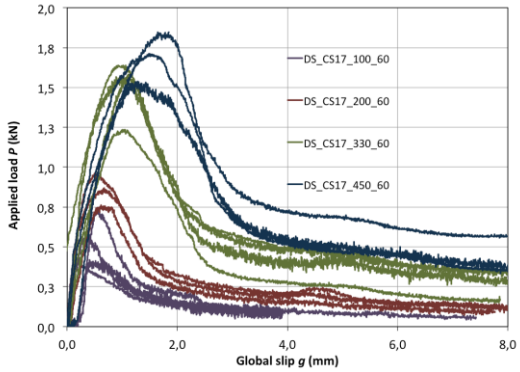
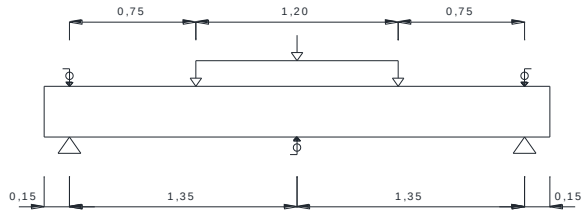
DEBONDING FROM CONCRETE SUBSTRATE



Composite materials comprised of continuous fibres in a polymer *(FRP) or*, more recently, cementitious matrix *(FRCM)*, are a satisfactory technique for increasing the durability and performing rehabilitation solutions in existing structures. Debonding from substrate and shear strengthening of reinforced concrete (RC) with FRP and FRCM are the main topics investigated in this research project.





SHEAR STRENGTHENING OF RC BEAMS