

عنوان مقاله:

A study on ARAMID Plates behavior in strengthening concrete walls against projectile impact

محل انتشار:

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خلاصه مقاله:

Hard projectiles can create both local impact damage and global dynamic damage in concrete structure. So, use of new reinforcing layers, which helps to concrete structures improvement against hard projectiles damage, has assigned large participation in experimental and numerical studies of defensive industries. In this paper, the behavior of high modulus aramid plates in strengthening concrete walls has studied with FEM software ABAQUS and effects of parameters like velocity of projectile, thickness of aramid layers and their arrangements have investigated. Results show salient increase of strength and reduction of deformation of reinforced concrete wall which strengthened with .aramid against effect of projectile impact

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/209360>

