Behavior of ternary blended steel fibre reinforced concrete subjected to different sustained elevated temperatures

PHOTO GALLERY

Plate -1 Cube for compressive strength before keeping in furnace

Plate -2 Cylinder for tensile strength before keeping in the furnace

Plate -3 Beam for flexural strength before keeping in the furnace

An experimental investigation on the behaviour of steel fibre reinforced ternary blended concrete subjected to sustained elevated temperature.
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Plate -4 Crack showing cylinder for tensile strength

Plate -5 Cube for compressive strength after 200 degree exposure

Plate -6 Cylinder for tensile strength after 200 degree exposure
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Plate -7 Cubes for compressive strength 400 degree exposure

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Plate -9 Cubes for compressive strength after 600 degree exposure (FA+SF)
Behavior of ternary blended steel fibre reinforced concrete subjected to different sustained elevated temperatures

Plate -10 Cubes for compressive strength after 600 (FA+MK) combination degree exposure

Plate -11 Cubes for compressive strength 600 degree exposure (FA+GGBFS)

Plate -12 Cylinder for tensile strength 600 degree exposure (FA+MK)
Behavior of ternary blended steel fibre reinforced concrete subjected to different sustained elevated temperatures

Plate -13 Cylinder for tensile strength 600 degree exposure (FA+SF)

Plate -14 Beam for flexural strength after 600 degree exposure

Plate -15 Cubes for compressive strength after 800 degree exposure (FA+MK)
Behavior of ternary blended steel fibre reinforced concrete subjected to different sustained elevated temperatures

Plate -16 Cubes for compressive strength after 800 degree exposure (FA+SF)

Plate -17 Cubes for compressive strength after 800 degree exposure (FA+GGBFS)

Plate -18 Cubes for compressive strength after 800 degree exposure (FA+SF Close view)
An experimental investigation on the behaviour of steel fibre reinforced ternary blended concrete subjected to sustained elevated temperatures.

Plate -19 Cylinders and beams after 800°C exposure (FA+MK & FA+GGBFS Samples)

Plate -20 Beams for flexural strength after 800 degree exposure (FA+SF)

Plate -21 Cylinder for tensile strength after 800 degree exposure (FA+SF)
Behavior of ternary blended steel fibre reinforced concrete subjected to different sustained elevated temperatures

Plate -22 Cube for compressive strength after 1000 degree exposure (FA+SF)

Plate -23 Cube for compressive strength after 1000 degree exposure (FA+MK)

Plate -24 Cube for compressive strength after 1000 degree exposure (FA+GGBFS)
Behavior of ternary blended steel fibre reinforced concrete subjected to different sustained elevated temperatures

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Plate -26 Cylinder for tensile strength after 1000 degree exposure

Plate -27 Beam for flexural strength after 1000 degree exposure