





60

90 Time (min)

120

150

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There is no conclusion because we do not have the test results, we just have assumption that we want to verify. The assumption is:

Some of the presented combination of fibers ensures safe behavior of concrete in the tunnel fire, is cost-effective and sustainable, so it can be used in practice.

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30

- Smith K., Atkinson T., 2010, Tunnel Talk link, Propex Concrete Systems (International), UK Bjegovic D., Lakusic S., Serdar M., and Baricevic A., "Properties of concrete with components from waste tyre recycling," in Concrete Structures for Challenging Times, 2010, pp. 134–140. Research Association for Underground Transportation Facilities, Cologne, 2005,Fire protection in vehicles and tunnels for public transport (JSBN3-87094–664–4) Khalig W., Kodur V., Raut N., Application of Structural Fire Engineering, 19–20 April 2013, Prague, Czech Republic, Comparative fire performance of high strength concrete columns with different types of fibre reinforcement, 2013.
- or nure reinforcement, 2013. Nibudey R.N., Nagarnaik P.B., Parbat D.K., Pande A.M., International Journal of Civil, Structural, Enviromental and Infrastructural Engineering. Reasearch and Development (IJCSEIERD), ISSN 2249– 6866, Vol. 3, Issue 2, 2013, 9–16. Strenght and Fracture Properties of post consumed waste plastic fiber reinforced concrete.



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1300

180