

Accepted Manuscript

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F. Colangelo, F. Messina, L. Di Palma, R. Cioffi



PII: S1359-8368(16)32935-3

DOI: [10.1016/j.compositesb.2017.02.004](https://doi.org/10.1016/j.compositesb.2017.02.004)

Reference: JCOMB 4886

To appear in: *Composites Part B*

Received Date: 5 December 2016

Revised Date: 10 January 2017

Accepted Date: 4 February 2017

Please cite this article as: Colangelo F, Messina F, Di Palma L, Cioffi R, Recycling of non-metallic automotive shredder residues and coal fly-ash in cold-bonded aggregates for sustainable concrete, *Composites Part B* (2017), doi: 10.1016/j.compositesb.2017.02.004.

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Recycling of non-metallic automotive shredder residues and coal fly-ash in cold-bonded aggregates for sustainable concrete.

F. Colangelo^{a*}, F. Messina^a, L. Di Palma^b and R. Cioffi^a

^aDepartment of Engineering, University of Naples Parthenope; INSTM Research Group Naples Parthenope, Centro Direzionale Is. C4, 80143 Naples, Italy

^bDepartment of Environmental, Materials, Chemical Engineering, Sapienza University of Rome, via Eudossiana 18, 00184 Roma, Italy

*E-mail address: colangelo@uniparthenope.it

Tel. +39 081 5476727 Fax +39 081 547 6777

HIGHLIGHTS

- Recycling of non-metallic automotive shredder residues is promoted by EC directive 2000/53.
 - Pilot scale cold-bonding pelletization is performed to recycle both automotive shredder residues and coal fly ash.
 - Physical, mechanical and environmental characterization of artificial aggregates shows process feasibility.
 - Concrete specimens made with recycled aggregates exhibits satisfactory physico-mechanical properties.
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