

## **FIRENZE, VIA DELLA COLONNA. DAI CAVALLI AL TROTTO AI CAVALLI A MOTORE DEGLI AUTOBUS: LE STESSE PIETRE PER UNA STRADA TUTTA NUOVA**

GRAZIA SIGNORI, MARCELLO DEGANUTTI

Mapei SPA

g.signori@mapei.it, m.deganutti@mapei.it

### **ABSTRACT**

Stone paving either add value to urban landscaping and strongly contribute to making the deep identity of a town.

The recently published standard UNI 11714-1:2018 Stone coverings Instructions for the design, installation and maintenance, with the durability requirements as a main issue, introduces a technical approach to the selection of the stratigraphic package according either to the end use (i.e. load class) and the kind of stone paving to be installed. In case of heavy traffic, according to the standard, pre-mixed mortars are to be chosen instead of traditional mortar (sand+cement) bedding and grouting.

UNI 11714-1:2018 applies also to refurbishing projects, where the re-use of stone paving elements is the key-point for the sustainability and virtuous circular economy.

The refurbishing project of Via della Colonna, right beside Piazza d'Azeglio in Florence, designed by Ufficio Tecnico del Comune di Firenze, shared and approved by the Office for the Protection of Architectural and Historic Heritages, is a pretty good case-history of how nowadays the sustainability issues, the demands of a very touristic area, subjected to heavy load traffic and the durability requirements can meet, thanks to the proper installation with MAPESTONE SYSTEM.

**Key-words:** stone paving, re-use stone paving elements, sustainability, road stone paving, pre-mixed mortars, Firenze, MAPESTONE SYSTEM