

# PAVIMENTAZIONI DRENANTI PER LE STRADE E LE PIAZZE IN PIETRA. COSÌ L'ACQUA RITORNA ALLA TERRA.... MA PROGETTAZIONE E POSA BASTANO? ALCUNI CASI DI STUDIO

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## ABSTRACT

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

Standard UNI 11714-1:2018 Stone coverings Instructions for the design, installation and maintenance, as a main issue, introduces very important requirements: durability, sustainability, maintainability/cleanability and safety are decisive.

Sustainability+durability is a key point also for CAM regulation, i.e. the environmental requirements defined by the Italian government aimed at identifying the best design solution, product or service from an environmental point of view along the life cycle, according to the market availability.

Both standard and regulation aim to design solutions caring for saving natural resources, either as building products and water savings.

From this point of view, pervious paving is a highly performing solution, as it complies with UNI 11714-1:2018 which suggests un-bound bedding and pervious resin-bound grouting for any load classes.

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

Among some other projects, the refurbishing project of Via Aquileia, right in front of Porta Aquileia in Udine, designed for Udine Municipality as a maintenance project, 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 JOINT.

But what happens to the pervious paving during service? What may affect the durability of its permeable property? Maintenance plays a crucial role.

**Key-words:** pervious stone paving, re-use stone paving elements, sustainability, road stone paving, polyurethane resin binder, Udine, MAPESTONE JOINT