



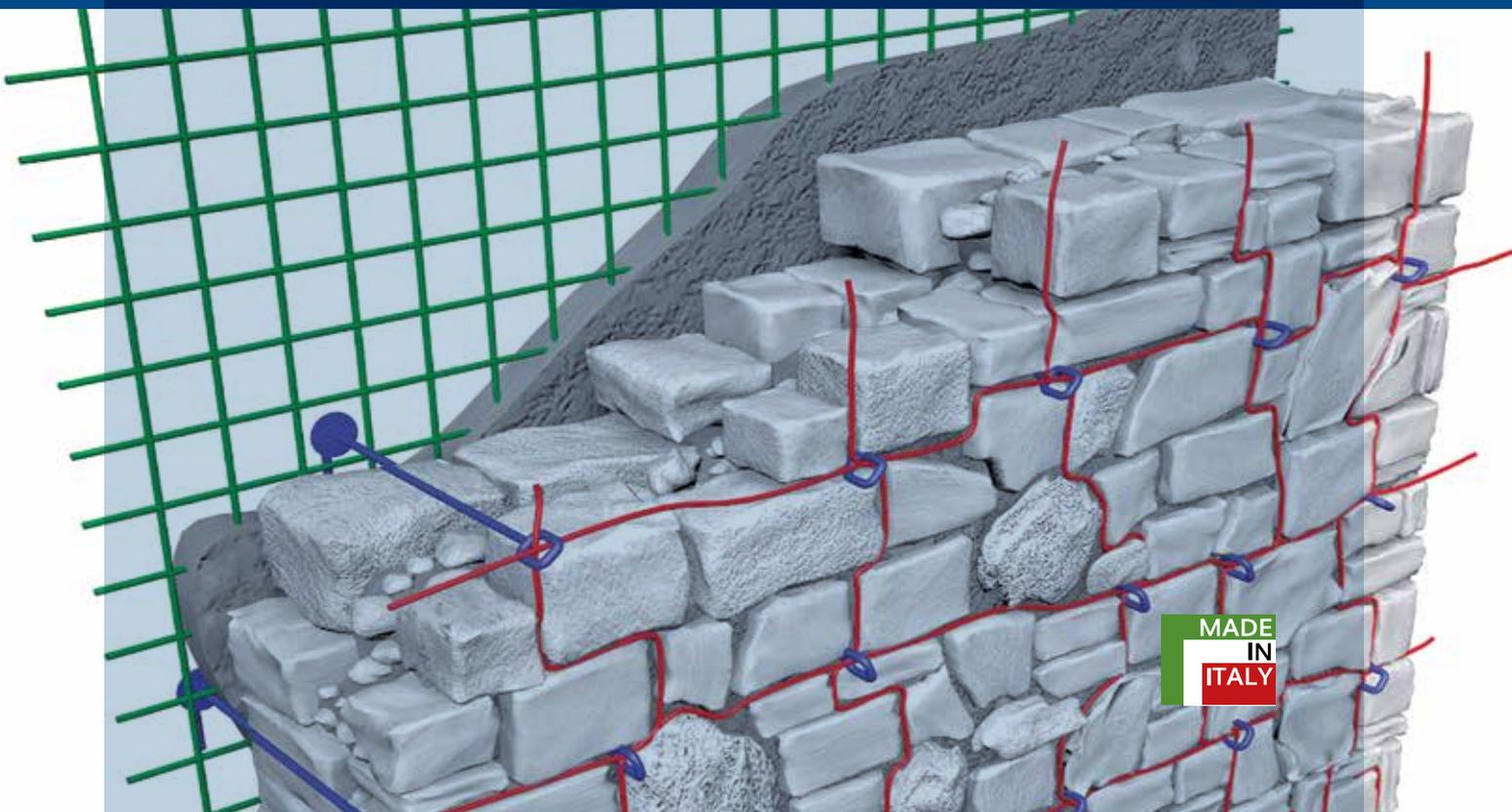
**FIBRE
NET**

composite engineering

RETICOLA

REINFORCED POINTING

Consolidation of exposed brickwork
or stone masonry



MADE
IN
ITALY

RETICOLA

Reinforced pointing



RETICOLA system consists in the realization of a **reinforced pointing of the joints** on stone walls and masonry, by means of stainless steel strands and connectors positioned within vertical and horizontal joints. The reinforced pointing of the joints is the solution for the improvement of the mechanical characteristics of "stone" walls as it provides effective confinement and **improvement of the mechanical resistance**, without compromising the aesthetic appearance and the typicality of the masonry; this type of reinforcement intervention **improves the shear and compression strengths** and provides a significant **increase in ductility**.

This is particularly important on historic masonry buildings where the presence of multiple scarcely connected vestments, the low quality of the mortars and the need to **preserve the architectural aspect** of the structure, require highly effective but low aesthetic impact structural reinforcement solutions.

- Seismic improvement of historic and restricted buildings
- Consolidation of degraded structures
- Confinement and anti-overturning systems

Compatibility with NHL lime mortars and natural materials, together with the reversibility and "invisibility" of the intervention, allow it to be used effectively on walls and facades subject to architectural constraints without compromising their aesthetics.

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	High mechanical resistance		Reversible intervention		Fire reaction class A2		
	Absence of corrosion		Easy installation		Eco-compatible system		No aesthetic impact
	Compatibility with traditional and innovative materials		Breathability of the masonry		Tested and certified system		

Issue



Solution



RETICOLA

Solutions for consolidation of exposed brickwork or stone masonry



Reticola

RETICOLA system based on the Reticolatus™ technique consists in the realization of a **reinforced pointing of the mortar joints** of the stone or brick elements making up the wall, through special stainless steel strands and connectors, designed and sized for the specific use.



Reticola Twin

RETICOLA TWIN system consists in the realization of a **reinforced pointing of the joints** on both sides of the wall panel by means of stainless steel strands and connectors positioned within the mortar joints. The **three-dimensional reinforcement** that is created **improves the cut, bending and compression** of the masonry, thus **maintaining its aesthetic appearance**.



Reticola Plus

RETICOLA PLUS system is a further evolution of the RETICOLA system and involves the construction of a **reinforced pointing of the joints** on the wall to be left exposed and the application of a plaster reinforced with GFRP preformed meshes on the opposite wall to be coated. The **three-dimensional reinforcement** that is created **improves the cut, bending and compression** of the masonry, thus **maintaining its aesthetic appearance**.



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Certified company by SGS in accordance
with ISO 9001:2015 standard



ISO 14001
LL-C (Certification)

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