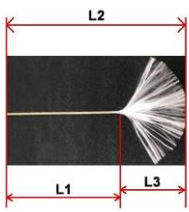
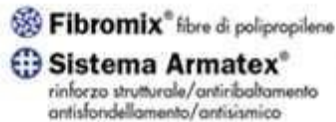


<i>Technical data sheet</i>	N. A 1075 11-19	
OPEN-HAND 1 - Art. BM OPEN 1		
AR FIBER GLASS TRANSVERSAL CONNECTOR WITH RIGID PRE-FORMED CENTRAL SEGMENT WITH OPENABLE END AND IMPROVED ADHERENCE		
The product is suitable for structural reinforcement of walls, arches and vaults Suitable for seismic assessment of building in risk areas.		

DIAMETER Ø	DIMENSIONS L1 mm	DIMENSIONS L3 mm	DIMENSIONS L2 mm
8 mm	200	200	400
8 mm	300	200	500
8 mm	400	200	600
8 mm	500	200	700
8 mm	600	200	800

TECHNICAL FEATURES	VALUES
PULL OUT RESISTANCE ON STONEWALL SUPORT (INTERNAL METHOD)	5,50 kN
BREAKING POINT TENSION (Internal method)	490 MPa



Advantages

- Durability
- Usable with lime and / or cement based mortars;
- Perfect compatibility with any matrix, hydraulic or chemical used for grouting;
- High tensile and shear strength;
- Easy to apply;
- Limited invasiveness;
- Low installation costs;
- Suitable for interventions on buildings of historical and cultural interest.

Storage and security

Store in a protected, dry place and in original packaging.

Use appropriate precautions in handling, transport and storage activities to avoid damage. During handling and application wear protective clothing, glasses and gloves.

Preparation of the support

- Make sure that the support is completely hardened, resistant and there aren't any loose parts that come off;
- In the presence of degraded existing plaster, scrape the surface until a support with sufficient strength is obtained;
- Substrate cleaning and saturation by low pressure washing;
- Remove any efflorescence and salts by washing or using mechanical systems such as brushing, sandblasting or water sandblasting;
- On particularly irregular or poorly absorbent substrates, apply a coat of rough coat before applying the structural mortar;
- The substrate temperature must be between + 5 ° C and + 35 ° C;
- Do not apply mortars on frozen substrates.

Usages

After carefully preparing the support, before applying the first layer of structural mortar based on lime wet with water at low pressure until it is completely saturated; the non-saturation could cause the non-adhesion and cracking of the mortar. If necessary, make a rough coat with suitable products.

Make holes of a suitable diameter (the hole diameter must be equal to the connector diameter increased by at least 6 mm) in a number not less than 4 / m² inclined at 45°, cleaning them with compressed air or with aspirators, inserting the fiberglass connector and balancing it with a hydraulic or chemical matrix, leaving the ends free outside from the masonry.

Apply by hand (with a trowel or spatula in stainless steel) or with a plastering machine a first layer of structural mortar BM Idroplaster NHL – M15 (see technical data sheet) for a thickness of about 1.5 cm, leaving the surface sufficiently rough to allow the adhesion of the next layer. Place the alkali-resistant fiberglass mesh of Glasstex Struktura line (see technical data sheet of the chosen product), placing it on the still fresh mortar by passing the connector inside the mesh and open the ends of the same according to a sunburst pattern. Apply a second layer *BM Idroplaster NHL – M15* mortar to a thickness of about 1,5 cm.

Integrate the aforementioned indications referring to the Biemme quaderno tecnico applicativo regarding the Armatex line, the latest version is available on the site:

<http://biemmebiagiotti.com/wp-content/uploads/2017/06/QUADERNO-TECNICO-APPLICATIVO.pdf>

For uses other than those indicated, please contact our technical office.



Specifications

Alkali-resistant glass Fiocco suitable for structural reinforcement of walls, arches and vaults and for seismic adaptation of structures located in areas at risk, with a rigid preformed central segment in epoxy resin with an out-of-focus end (type OPEN-HAND 1 by Biemme Srl) having the following characteristics: diameter 8 mm, section size resistant 11.50 mm², glass transition temperature of the resin > 100 ° C.

The indications reported in this documentation regarding the use or use of our products, while corresponding to our best experience and to the current state of our knowledge, are to be considered, in any case, purely indicative and do not involve any responsibility on the final result of the work. Therefore it is the responsibility of the buyer to verify the suitability of our products for the use and the purposes it is intended for. Biemme srl is not responsible for improper use of the material. Always refer to the latest updated version of the technical data sheet, available on the site: www.biemmebiagiotti.com. Biemme srl reserves the right to make changes at any time that it deems appropriate without any notification.

