



COMPANY WITH
QUALITY SYSTEM
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Scheda tecnica - Technical data sheet
Tubo per consolidamento - Pipe for consolidation **T6040crgHP4**
Dimensioni - Dimension **60/40**
scheda tecnica - technical data sheet

n° ST3801TRGCAHP4

REV 1.1 2017

U n d e r g r o u n d & C i v i l W o r k s d i v i s i o n

T6040crgHP4

DESCRIZIONE - DESCRIPTION

Tubo per consolidamento strutturale, dimensioni 60/40 mm, ad aderenza migliorata, in resina poliestere rinforzata con fibra di vetro E.

Tube for ground structural consolidation, dimension 60/40 mm, with improved surface, made by polyester resin and E-Glass.



Caratteristiche geometriche e fisiche Geometrical and physical characteristics

	u.m. unit	valore value	Metodo di prova Test method
Diametro esterno Outside diameter	mm	60	-
Diametro interno Internal diameter	mm	40	-
Area nominale Nominal area	mm ²	1570 ⁽²⁾	-
Densità Density	kg/dm ³	≥ 1,90 ⁽¹⁾	ISO 1183
Contenuto di vetro Glass content	%	≥ 60 ⁽¹⁾	ISO 3451-1

Caratteristiche meccaniche Mechanical characteristics

	u.m. unit	Valore value	Metodo di prova ⁽²⁾ Test method
Resistenza a trazione Tensile strength	MPa	≥ 600 ⁽¹⁾	UNI EN 61 mod.
Resistenza a flessione Flexural strength	MPa	≥ 650 ⁽¹⁾	UNI EN ISO 14125 ASTM D 790
Resistenza a taglio Shear strength	MPa	≥ 150 ⁽¹⁾	ASTM D 732
Modulo elastico Elastic modulus	GPa	≥ 30 ⁽¹⁾	UNI EN 61 mod.
Resistenza allo scoppio Pressure resistance	MPa	≥ 4	Internal procedure
τ di aderenza tubo/calcestruzzo τ adherence pipe/concrete	kN/m ²	≥ 2200 (24h) ⁽³⁾⁽⁴⁾ ≥ 3200 (48h) ⁽³⁾⁽⁴⁾	440.R3-2012

⁽¹⁾ Dimensional/performance tolerance +/-4% due to natural shrinkage of polyester resin used

⁽²⁾ Resistant area 1385 mm². (Pipe's area before the treatment to achieve corrugation-this is the area that you have to consider in the design).

⁽³⁾ 0,188 m² surface for linear meter pipe.

⁽⁴⁾ Bond strength of FRP bars pullout testing.

Emesso e approvato da DTE
Written and approved by DTE