IUAV University of Venice
CONSTRUCTION SCIENCE LABORATORY

Via Torino 153A/30172 Venice Mestre
t. +39 041 532 1857
f. +39 041 531 2988
lab-sci@iuav.it www.iuav.it/lsc

Venice, 19.07.2006

Protocol N. 26933

Certificate N. 58299

Applicant: RUREDIL s.p.a., 20097 San Donato Milanese (MI), Via B. Buozzi n. 1

Application: San Donato Milanese, August 1 2005; Tech. Dir. GM/ga

Material: 1 reinforced concrete beam with a span of 1.6 metres for flex test on three points reinforced with composite material consisting of the stabilised inorganic matrix known as RUREDIL X MESH M750 and the PBO fibre mesh known as RUREDIL X MESH GOLD.
According to applicant's declaration.

Specimen CC1: test diagram

measurement of sag

SPECIMEN	MAXIMUM LOAD (kN)	CAMBER AT MAXIMUM LOAD (mm)
CC1	311.98	19.61

The experimenter
Mario Celbrin
signature

The Laboratory Director
Prof. Angelo Di Tommaso
signature

round seal of the IAUV University of Venice Construction Science

IUAV University of Venice
CONSTRUCTION SCIENCE LABORATORY

Via Torino 153A/30172 Venice Mestre
t. +39 041 532 1857
f. +39 041 531 2988
lab-sci@iuav.it www.iuav.it/lsc

Protocol N. 26933

Certificate N. 58299

Applicant: RUREDIL s.p.a., 20097 San Donato Milanese (MI), Via B. Buozzi n. 1

Application: San Donato Milanese, August 1 2005; Tech. Dir. GM/ga

Material: 1 reinforced concrete beam with a span of 1.6 metres for flex test on three points reinforced with composite material consisting of the stabilised inorganic matrix known as RUREDIL X MESH M750 and the PBO fibre mesh known as RUREDIL X MESH GOLD.
According to applicant's declaration.

Specimen CC1: geometry and internal reinforcement

SPECIMEN CC1

CROSS SECTION
Brackets Ø8 thread 30 cm

Specimen CC1: external reinforcement

SPECIMEN CC1: external reinforcement

reinforcement
SECTION A-A

reinforcement
SECTION B-B

The experimenter
Mario Celbrin
signature

The Laboratory Director
Prof. Angelo Di Tommaso
signature

round seal of the IAUV University of Venice Construction Science

IUAV University of Venice
CONSTRUCTION SCIENCE LABORATORY

Via Torino 153A/30172 Venice Mestre
t. +39 041 532 1857
f. +39 041 531 2988
lab-sci@iuav.it www.iuav.it/lsc

Venice, 19.07.2006

Protocol N. 26933

Certificate N. 58299

Applicant: RUREDIL s.p.a., 20097 San Donato Milanese (MI), Via B. Buozzi n. 1

Application: San Donato Milanese, August 1 2005; Tech. Dir. GM/ga

Material: 1 reinforced concrete beam with a span of 1.6 metres for flex test on three points reinforced with composite material consisting of the stabilised inorganic matrix known as RUREDIL X MESH M750 and the PBO fibre mesh known as RUREDIL X MESH GOLD.
According to applicant's declaration.

LOAD (kN)

CC Beams

Camber (mm)

Specimen CC1 Specimen CC1

The experimenter
Mario Celbrin
signature

The Laboratory Director
Prof. Angelo Di Tommaso
signature

round seal of the IAUV University of Venice Construction Science