



**FIBRE
NET**

composite engineering

Systems for the Installation of Road and Railway Joints

This is how we bring major works into the future

THE SPECIALISTS OF STRUCTURAL REINFORCEMENT

Fibre Net develops and produces certified systems in Italy that are used in structural recovery, seismic improvement and adaptation, and in the safety of existing structures.

In the context of interventions for the restoration, rehabilitation, and improvement of the existing infrastructure heritage, Fibre Net positions itself as a specialized partner, capable of assisting entities, designers, and companies in the most appropriate and effective choices aimed at consolidation, structural improvement and adaptation, and maintaining the durability of the asset.

DESIGN AND PRODUCTION

Thanks to solid design and execution expertise, it combines technical and technological know-how with a wide production capacity at its facilities.

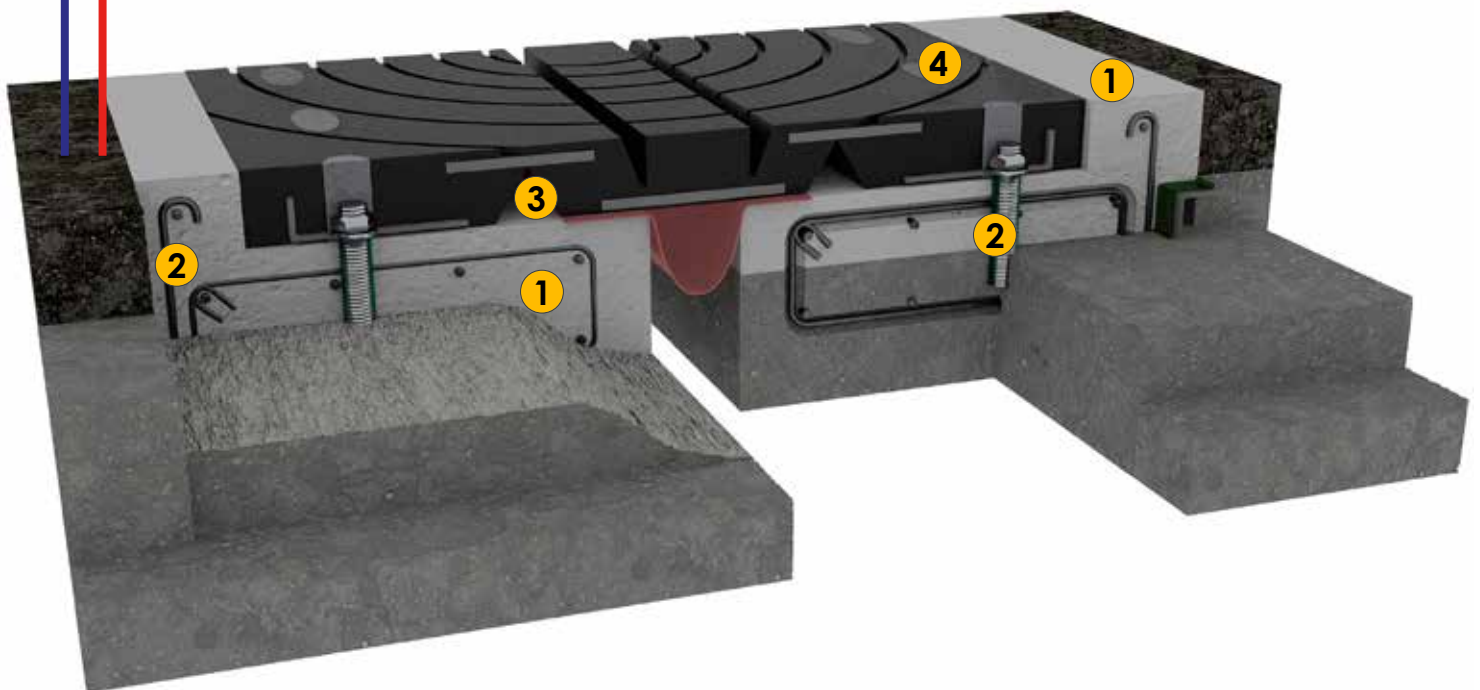
SUSTAINABILITY

Fibre Net contributes to environmental sustainability by creating low-impact products, designed to reduce energy consumption, compatible and recyclable, easy to transport and handle.



SPECIAL PRODUCTS FOR JOINT EQUIPMENT

- ① RECONSTRUCTION OF THE BASE SCREED AND THE HEADS AND TRANSITION SLABS OF THE DECK WITH FIBER-REINFORCED MORTARS
- ② ANCHORING RODS, THREADED RODS, AND TIE RODS
- ③ BONDING OF THE FLASHING AND BEDDING OF THE JOINT
- ④ SEALING OF HOLES



STANDARD INTERVENTION CYCLE

1 **STRUTTURA STEEL FLUID - SF 100**

25 kg bag - Conf./pallet: 60



Structural mortar, single-component, fluid, air-expanding, with rigid steel fibers, high ductility, and high mechanical performance for the restoration and reinforcement of concrete elements.

AVERAGE CONSUMPTION	POT LIFE (+20°C)	APPLICATION TEMPERATURE	COMPRESSIVE STRENGTH (+20°C)
21 kg per m ² per cm of thickness	approx. 60 min	+5°C/+35°C	≥ 30 MPa at 24 h ≥ 55 MPa at 7 days / ≥ 70 MPa at 28 days



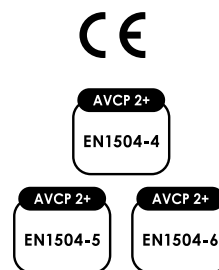
2 **INTEGRA RIPRESA - RP 415**

Conf. A 5 kg + Conf. B 0,4 kg



Two-component fluid adhesive based on epoxy resins for concrete re-pours, anchoring of bars, and monolithic sealing of cracks.

USE	AVERAGE CONSUMPTION	POT LIFE (+20°C)	APPLICATION TEMPERATURE	WAITING TIME FOR CONCRETE RE-POUR
RE-POUR OF CONCRETE	1,4 kg/m ² per mm of thickness	approx. 90 min	+5°C/+35°C	4 ÷ 8 h of waiting for the subsequent pour
ANCHORING BARS	1,4 kg/dm ³ per mm of thickness			2 ÷ 3 days



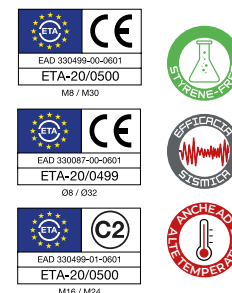
INTEGRA FIXA - EPOXY 25

Cartridges of 470 ml - Conf./box: 12 - Cartridges of 900 ml - Conf./box: 6



Two-component chemical anchor in cartridge based on epoxy resin, for fastening bars, tie rods, anchors, and reinforcement. Suitable for medium and heavy loads, applicable on dry, humid, or wet supports, for seismic actions of category C2.

AVERAGE CONSUMPTION	APPLICATION TEMPERATURE	TIME OF COMMISSIONING
Depending on the diameter and depth of the hole (see technical data sheet)	0°C/+50°C	approx. 14 h (+25°C) approx. 28 h (+10°C) approx. 54 h (0°C)



3 **INTEGRA RIPRESA - RP 460**

Conf. A 4 kg + Conf. B 1 kg



Two-component thixotropic adhesive based on epoxy resins, for structural bonding of concrete, metal, and stone, and for securing waterproof tapes. Suitable for leveling and small repairs of concrete elements.

AVERAGE CONSUMPTION	POT LIFE (+20°C)	APPLICATION TEMPERATURE	TIME TO OPERATION (+20°C)
1,6 kg per m ² per mm of thickness	approx. 60 min	+5°C/+40°C	18 ÷ 24 h (+20°C)



4 **INTEGRA SPECIAL - SL 800**

Conf. A 2,5 kg + Conf. B 0,5 kg



Two-component flexible epoxy resin-based mortar with the addition of rubber granules, for the reversible filling of road joint slots.

AVERAGE CONSUMPTION	POT LIFE	APPLICATION TEMPERATURE	TIME TO OPERATION
1,6 kg per dm ³	approx. 120 min (+5°C) approx. 35 min (+23°C) approx. 17 min (+35°C)	+5°C/+35°C	approx. 8 h (+5°C) approx. 60 min (+23°C) approx. 35 min (+35°C)



INTERVENTION CYCLE FOR **QUICK** TRAFFIC OPENING

1 **STRUTTURA** **STEEL FLUID - SF 100 RP**

25 kg bag - Conf./pallet: 60



Structural mortar, single-component, fluid, with rapid setting and hardening, containing rigid steel fibers, with high ductility and high mechanical performance for the restoration and reinforcement of concrete elements.

AVERAGE CONSUMPTION	POT LIFE (+20°C)	APPLICATION TEMPERATURE	COMPRESSIVE STRENGTH (+20°C)
20,5 kg per m ² per cm of thickness	approx. 30 min	-5°C/+35°C	≥ 40 MPa at 3 h ≥ 65 MPa at 24 h / ≥ 90 MPa at 28 days



2 **INTEGRA** **RIPRESA - RP 115**

Conf. A 2,95 kg + Conf. B 0,05 kg



Fast-setting fluid two-component anchor based on polyester resin for anchoring bars, tie rods, anchors, and reinforcement. Suitable for application on dry or damp supports, even in case of low ambient temperatures.

AVERAGE CONSUMPTION	POT LIFE	APPLICATION TEMPERATURE	TIME TO COMMISSION IN SERVICE
1,66 kg per dm ³	ca. 60 min (+5°C) ca. 15 min (+20°C)	+5°C/+35°C	approx. 120 min (+5°C) approx. 45 min (+20°C) approx. 30 min (+30°C)



INTEGRA **FIXA - POLY 12**

Cartridges of 400 ml - Pack/box: 12



Fast-setting two-component chemical anchor in a cartridge based on styrene-free polyester resin for bar fastenings, tie rods, anchors, and reinforcement. Suitable for medium and heavy loads and application on dry or damp supports, even at low temperatures.

AVERAGE CONSUMPTION	APPLICATION TEMPERATURE	TIME OF COMMISSIONING
Depending on the diameter and depth of the hole (see technical data sheet)	5°C/+30°C	approx. 30 min (+25°C) approx. 90 min a (+10°C) approx. 120 min a (+5°C)



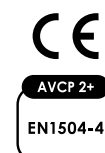
3 **INTEGRA** **RIPRESA - RP 460**

Conf. A 4 kg + Conf. B 1 kg



Two-component thixotropic adhesive based on epoxy resins, for structural bonding of concrete, metal, and stone, and for securing waterproof tapes. Suitable for leveling and small repairs of concrete elements.

AVERAGE CONSUMPTION	POT LIFE (+20°C)	APPLICATION TEMPERATURE	TIME TO OPERATION (+20°C)
1,6 kg per m ² per mm of thickness	approx. 60 min	+5°C/+40°C	18 ÷ 24 h (+20°C)



4 **INTEGRA** **SPECIAL - SL 800**

Conf. A 2,5 kg + Conf. B 0,5 kg



Two-component flexible epoxy resin-based mortar with the addition of rubber granules, for the reversible filling of road joint slots.

AVERAGE CONSUMPTION	POT LIFE	APPLICATION TEMPERATURE	TIME TO OPERATION
1,6 kg per dm ³	approx. 120 min (+5°C) approx. 35 min (+23°C) approx. 17 min (+35°C)	+5°C/+35°C	approx. 8 h (+5°C) approx. 60 min (+23°C) approx. 35 min (+35°C)



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