

# ADDITIVES FOR REPAIR MORTARS

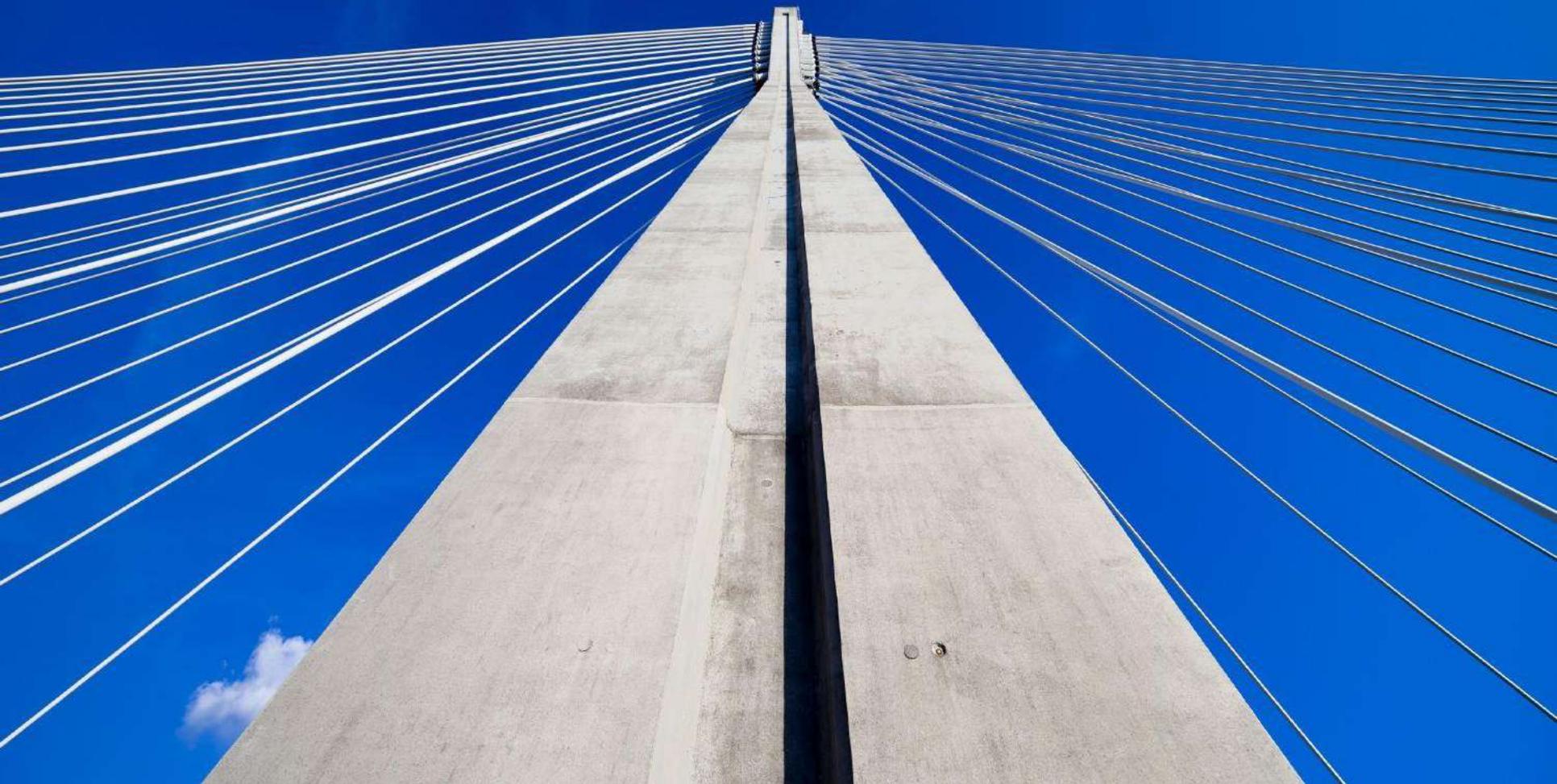


# Technical mortars for concrete repair

**Pentachem** offers a complete series of additives for repair mortars for damaged concrete.

Thanks to the additives of **Pentachem**, it is possible to develop mortars and grouts for all the stages of the repair cycle, as well as smoothing mortars for the subsequent treatment.

# REPAIR CYCLE



Lay bare the reinforcement rods



Treat the surface with **Antiox L 30** or with a passivating grout formulated with **Pentamix FER 2** and **Pentasil MCF**



Apply a thixotropic mortar formulated with **Pentamix IT.1**, **Pentaresin P3**, and **Fiberchem**



Apply a smoothing plaster formulated with **Pentagel RS 619**

# Antioxidating treatment of the rods



**Antiox L 30:** it is an antioxidant liquid for the protection of the iron rods.

It is suggested for the first part of the repair cycle.

# Antioxidating treatment of the rods



**Pentamix FER 2:** is an additive in powder form that hinders the corrosion of the rods and makes the application of the grout easier and more effective.

**Pentasil MCF:** is an additive composed of micro silica with a very high specific surface able to develop high resistances.

# Thixotropic mortar



**Pentamix IT.1:** it is a solution additive in powder form for anti-shrinkage repair mortars.

It allows developing highly thixotropic and easy to apply mortars and it allows reaching high mechanical strengths (starting from R3 class) and a wonderful waterproofness.

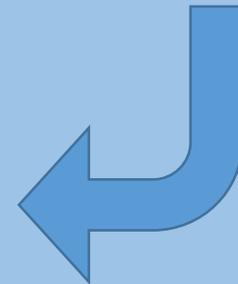
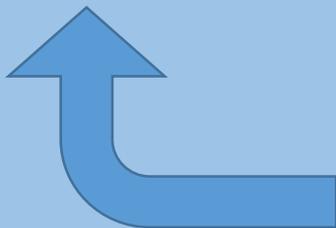
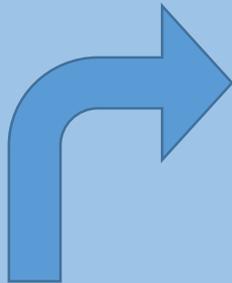
# Thixotropic mortar



**Fiberchem 4 mm:** are fibres of polypropylene for fibro-reinforced mortars.

**Pentaresin P3:** it is a redispersible resin in powder form to be combined with Pentamix IT.1 to improve the adhesion to the support and reach the required strengths.

# The phases of the repair cycle



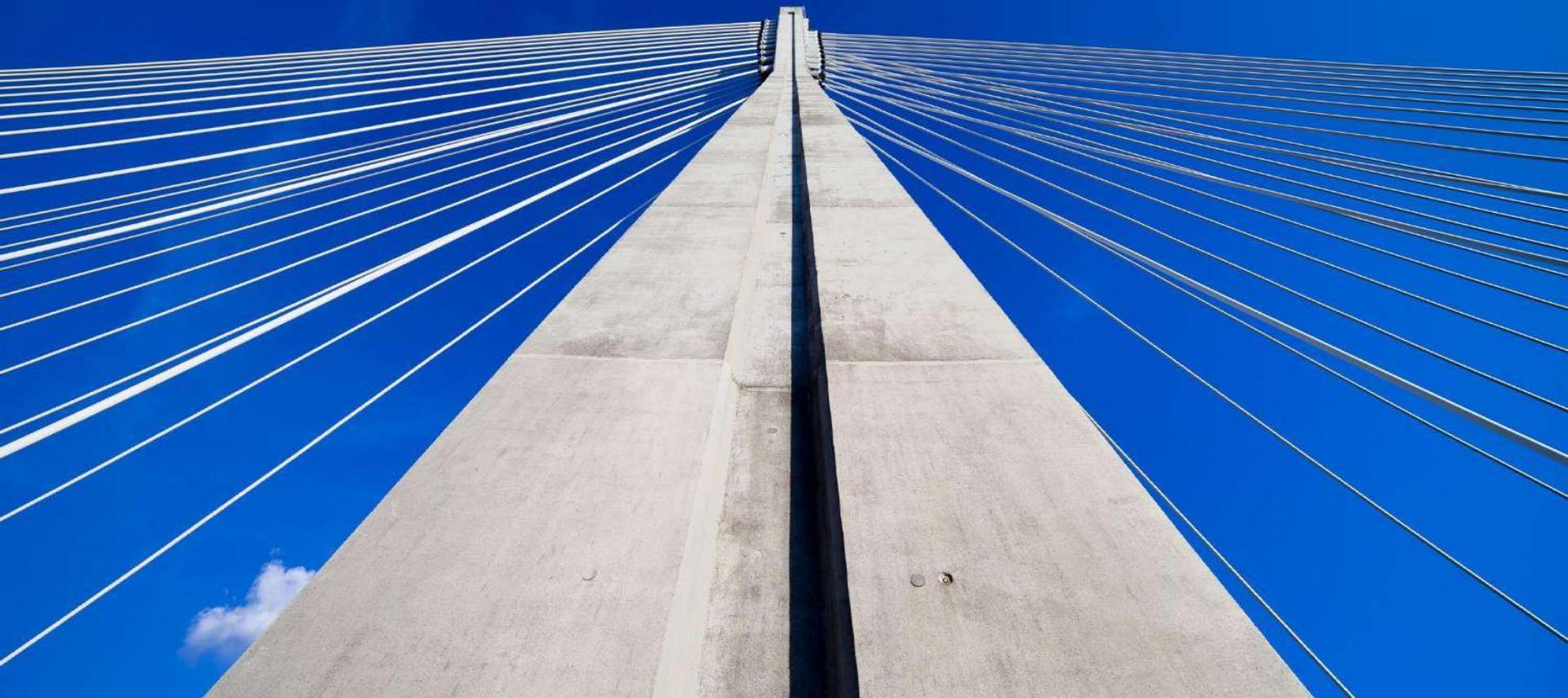
# Smoothing plaster



**Pentagel RS 619:** is a solution additive in powder form.

It allows preparing easy-to-apply cement-base smoothing plasters with high performances.

# ADDITIVES FOR OTHER TECHNICAL MORTARS



# Grouting mortar



Grouting mortar is used to grout machines and metal structures and/or for structural fills. The additive to use in its formulation is **Pentamix N**.

**Pentamix N** is a solution additive in powder form that allows preparing highly resistant, anti-shrinkage, and waterproofed fluid mortars.

# THANK YOU FOR YOUR ATTENTION

