

# Syntech AS 21

Thixotropic epoxy filler, for repairs, fixings and beton plaque



Two-component structural adhesive epoxy filler, with soft consistency, thixotropic, easy to spread (malleable paste), for the anchorage of steel connectors, the hermetic closure of through holes in concrete, bonding steel plates on concrete supports, as accessory product for laying road joints, for the reconstruction of wooden heads, crack repair, reconstruction of missing geometries, fixing injectors, reconstruction of joints in concrete floorings etc.

**CUSTOMS CODE:** 3214 9000

**COMPONENTS:** Two-components

**APPEARANCE:** Paste + Paste

**AVAILABLE COLORS:** Gray

**PACKAGING AND DIMENSIONS:** Kit: 1 Canister 1 kg [A] + 1 Canister 1 kg [B] - Kit: 1 Can 5 kg [A] + 1 Can 5 kg [B]

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FEATURES AND BENEFITS

Thanks to its soft and thixotropic consistency, Syntech AS 21 has excellent spreadability and is easily applicable even on materials with little or no porous, making it the optimal adhesive for bonding all the elastic bands of our Elastotex line, including the band high elasticity and resistance Elastotex 250 Combi, consisting of a special elastomeric layer in Hypalon. Excellent adhesion also on PVC and plastic materials.

## FIELDS OF APPLICATION

Structural reinforcements of structural elements (beams, pillars, etc.) by bonding steel sheets to the concrete. Reconstruction of joints in concrete floorings. Rigid structural bonding (beton plaque) of prefabricated elements and of articles in different building materials: concrete, steel, glass, wood, marble, tiles, stones etc. Anchoring, bonding and attachment of connectors, ties etc. Attachment of elastic straps for waterproofing joints, Elastotex. Reconstruction of wooden heads, crack repair, reconstruction of missing geometries on various supports.

## ALLOWED SUPPORTS

Concrete - Prefabricated concrete - Wood - Floor screed - Rock walls - Steel



## PREPARATION OF SUPPORTS

The application surfaces must be suitably prepared and adequately resistant: free from dust, grease, soiling, crumbling and non-adhering parts, devoid of wet surface areas. For floorings, moreover, a shot peening or preliminary milling of the surfaces of adhesion is recommended. The metal elements are to be blasted to "almost white metal".

## MODE OF USE

Make sure that the environment is well ventilated and wear the personal protective equipment mentioned in the safety data sheet. Add component B to component A, taking care to remove all the material from the packaging and mixing thoroughly with a mixer at a low number of revolutions (or a suitable manual tool), until a homogeneous mixture is obtained, indicated by the uniform colour and the absence of lumps. Apply to the surfaces with the help of spatulas, trowels, etc. Complete the tasks during the useful life of the product. Do not apply in rainy days; do not apply on moist or wet supports; do not apply on pulverised supports; use the product immediately after mixing.

## APPLICATION METHODS

Brick trowel - Spatula

## TOOL CLEANING

Thinner for resins

## KEY FEATURES



Density: 1.6 kg/l



Pot-life: 60 min



Temperature of use: +10 / +35 °C



Use wearing protective gloves

**A:B** Mixing ratio: 1:1 \_



Shelf-life: 12 months



Use wearing protective glasses

## TECHNICAL SPECIFICATIONS

EN 1015-12

Adhesion on Elastotex 250 Combi (direct traction) > **8 MPa**

EN 1542

Concrete adhesion (direct traction) > **3 MPa**

EN 13350-1

Fire resistance **B-s1. d0**

UNI EN 12190

Compressive strength **55 MPa**

EN 13412

Static elastic modulus **4.1 GPa**

EN 12188

Shear strength **16.1 MPa**

Complete hardening at 20°C **7 day**

EN 12614

Glass transition temperature > **60 °C**

EN 1015-12

Adhesion on PVC (direct traction) > **7 MPa**

## CONSUMPTION

Approximately 1.6 kg of Syntech AS 21 for each cubic decimetre of volume to be grouted.



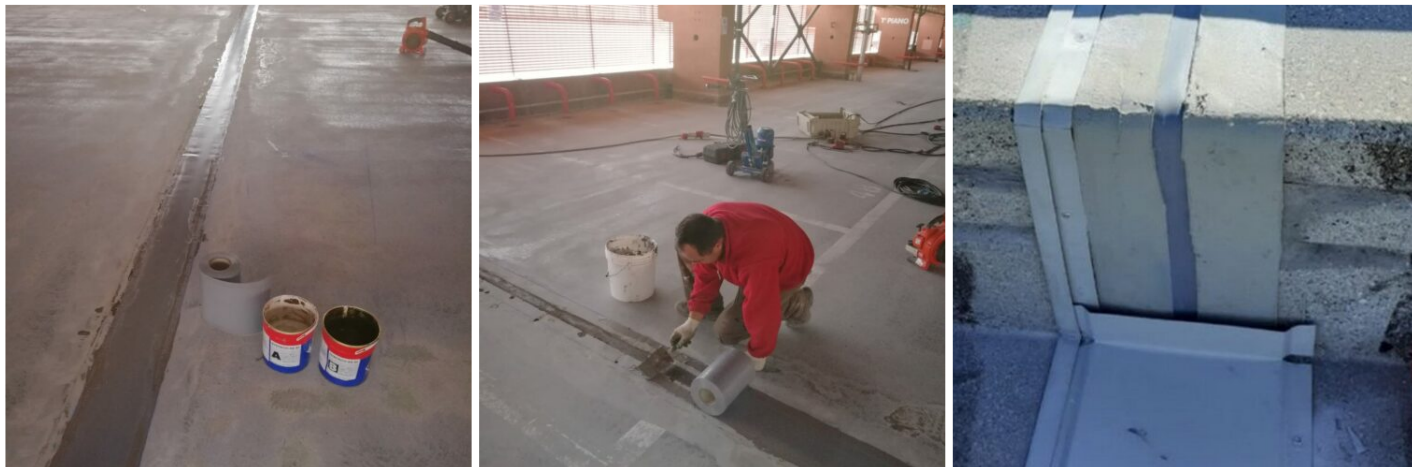
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## STORAGE AND CONSERVATION

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Opened containers must be used immediately.

## PHOTO GALLERY



## ADDITIONAL CONTENT



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