

## ***BOND EPO PRO – 857***

### **Epoxy Based Two Component Chemical Anchor Product**

#### **DESCRIPTION:**

Epoxy based, two component chemical anchor repair and installation product.

#### **ADVANTAGES:**

It is economical.  
Thixotropic, does not sag.  
Easy and fast to apply.  
Fast results.

#### **USAGE AREAS:**

Sprout planting and fixing bolts,  
Assembling and bonding of all kinds of metal and steel elements,  
Bonding and fixing of stone building elements,  
Aluminum joinery and railing fixing,  
To ensure the sealing of cracks before injection,  
Bonding of dilation bands.

#### **TECHNICAL SPESIFICATION :**

( 23 °C Temperatur and 50 % for relative humidity)

**Unit Volume Mass :** 1,70 kg/lit

**Adherance :** >4,00 N/mm<sup>2</sup>

**Compressive Strenght :** > 60 N/mm<sup>2</sup>

**Bending Strenght :** > 18 N/mm<sup>2</sup>

**Pot Life :** 30 seconds

**Curing Time :** 15 hours

**Total Curing :** 7 days

**Application Temperature :** +5°C +35°C

\*\*\*These values were obtained as a result of laboratory tests, just contain finished applications according to drying time performance. Due to differences in temperature and humidity values in the construction site, the values may change.

#### **APPLICATION METHOD:**

##### **Surface Preparation:**

The surface; must be cured, dry and durable. Loose surface mortar and such as residues should be cleaned and reached durable surface.

The hole diameter should be 4 mm bigger than the pin diameter that to be anchored.

The hole depth should be roughly 15 times the hole diameter.

The holes should be cleaned with a brush or compressed air so that no dust, oil, foreign matter remains.

##### **Preparation Of The Mixture:**

A + B should be combined and mixed by a 400 rpm low speed mixer for a few minutes until it reaches a homogenous consistency



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to make ready the DAYMAN EPO PRO 857 for the application.

Remain parts of the mixing bowl and spread part of the product should be added in to mixing.

The mixed product should be transferred to cleaned bowl when it ready and should re-mixed.

Pot life of the mixed product is 25°C'de 30 second.

High temperatures will make shorter the pot life of the mixed product, low temperatures will make longer.

#### **Application:**

##### **Anchor:**

After providing the mixture is completed, the 2/3 of the hole is filled.

Iron, etc. to be anchored, rotated into the hole.

The product should overflow from the edges.

If not overflowed, the process continue as adding the product and repeat.

##### **Bonding:**

After the full mixture is provided, it is applied to the surface to be bonded and the bonding process is performed.

Do not move until fully cured.

##### **Crack Sealing Before Injection:**

After the full mixture is achieved, the cracked surface is applied in such a way that it closes completely and reaches maximum strength.

After full cure, the injection process is started.

#### **ISSUES TO BE CONSIDERED:**

Temperature should be between +5 °C and +35 °C during the application.

Do not apply on surfaces that are at risk of frost.

The product should be protected from rain, water, frost and negative external factors until curing.

#### **CLEANING OF INSTRUMENTS:**

DAYMAN BOND EPO PRO – 857 should be cleaned by solvent when it wet.

DAYMAN BOND EPO PRO– 857 after become dry should be cleaned by the mechanical ways.

#### **CONSUME:**

Density. 1, 70 kg. /lit.



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#### **PACKING:**

A +B component 5, 00 kg.

#### **COLOR:**

Grey

#### **SHELF LIFE:**

1 year from the production date under proper storage conditions.

The opened pack should be closed tightly.

DAYMAN BOND EPO PRO 857 should be stored at temperatures between 5 ° C and 25 ° C.

#### **SAFETY RECOMMENDATIONS:**

Wear work clothes, protective gloves, glasses and masks should be used during application.

Due to the irritating effects of the cured materials, skin and eyes should not be contacted, in case of contact with wash plenty of water and soap, if swallowed seek medical attention immediately.

Food and beverage materials should not be kept in the application area and should not be eaten.

Store out of reach of children.

This product packaging must be disposed of in accordance with applicable laws.

This responsibility is belong the end user.

For more information please check the Material Safety Data Sheet.

#### **LIMITATIONS OF LIABILITY:**

The information in this technical data sheet is given according to technical information, experience and test result.

As GENERALTÜRK A.Ş. cannot control the usage of the product that used under which kind of conditions, it does not accept any responsibility for the application result and does not guarantee it.

The product suitability for the product user should be tested and decided accordingly. All products should be considered in the advice of those technical knowledge and equipment.

GENERAL TURK A.Ş. can not accept any responsibility that occurs because of miss-use, it only responsible for the written suggestions that shows the products where and how use.

GENERALTÜRK A.Ş. It may change the properties of its products without announcement.



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The technical data sheet is valid until the next time it is printed and all previous technical data sheets invalidate the description / January 2020