

在澆注填充黏附環氧樹脂 FOR POURING FILLING-UP ADHESION



EPOXY E209

E209 Epoxy is a room-temperature hardening adhesive of the epoxy resin system. It is rich in thixotropy and an extremely unique product (in jelly form.)

It is used mainly for bonding cracks or gaps of concrete structures by pouring it into them or filling them up with it. When the bond is used for pouring-repair of a large gap caused loosened mortar or tiles, filling-up-bonding is conducted partially because there is no fear that the resin may droop. In consequence, E209 Epoxy can be said to be an adhesive suitable for partial pouring-repair use". It is suitable to use with Epoxy E206

Features

1. HIGH STRENGTH

E209 Epoxy is excellent in physical and adhesive strength. It is excellent to repair the concrete and sealed up the water seepage.

2. 100% HARDENING

This is hardened 100% by chemical reaction, and therefore is little contracted.

3. WATER-PROOFING

With little water absorption, it is satisfactory in terms of water-proofing property.

4. WEATHER-RESISTANT

The bond has a strong resistance to weathering and chemicals.

5. NON-DROOPING

Even when it is 5-10mm thick, there is no fear of sagging.

6. GOOD WORKABILITY

E209 Epoxy is creamy, and therefore although appearing high in viscosity, it is easy to mix or paint. Also, it can be applied by patch up method.

Instructions

The reinforcement, repair, water-proofing and air tightness of concrete structures, by applying filling-up-bonding to cracks, gaps, etc. of them.

The bonding-repair and reinforcement(the partial pouring-repair method)of loosened parts of mortar, building stone, tiles, etc which are caused on outer or inner walls, floors or ceilings.

Adhesion of alien matters to concrete structures.

Thick coating over concrete structures for corrosion proofing.

環氧樹脂 E209

E209 環氧樹脂是環氧樹脂體系的室溫硬化黏合劑，它具有豐富的溶氧性和極其獨特的產品(啫喱外型)。

它主要用於黏接混凝土結構的裂縫或縫隙，將其澆注或填充。當黏結用於澆注修復砂漿或瓷磚鬆動出現的大縫隙時，部分進行填充黏接，因為不用擔心樹脂會下垂，因此 E209 環氧樹脂可說是一種適用於部分澆注維修使用的黏合劑配合 E206 使用更佳。

特徵

1. 高強力度

E209 環氧樹脂在物理和黏合強度方面非常出色。此料用於修補石屎及石屎漏水為合適。

2. 100% 硬化

這是通過化學反應 100% 硬化的，因此很少收縮。

3. 防水

吸水性小，在防水方面令人滿意。

4. 耐候性

這材料具有很強的耐候性風化改變和耐化學性。

5. 不下垂

即使它是 5-10 毫米厚，也不怕沉降下垂或膨脹。

6. 良好的可操作性

E209 環氧樹脂是光滑細膩的，因此雖然顯得高黏度，但很容易混合或塗上。批盪方法也可。

使用方法

對混凝土結構的裂縫、縫隙等進行填充黏接能促成混凝土結構的加固、修復、防水和氣密性。

在外牆或內牆、地板或天花板出現的砂漿、建築石材、瓷磚等鬆動部位的黏接修復和加固（部分澆注修復方法）。

將外來組件黏附在混凝土結構上。

混凝土結構加上厚塗層，用於防腐蝕。

1. 整理表面工序

清潔和乾燥要黏結的表面，完全清除灰塵或油。

2. 混合

充分攪拌後，以 2:1(重量)的混合比使用 E209 環氧樹脂 A 和 B 的化合物。每次混合可以完全在可用時間內使用。

3. 澆注修理鬆動的結構組件

修理鬆動的組件時，請遵循一般澆注方法的規則。具體來說，使用油壓泵或類似工具，將材料倒入以 20-30cm 間隔設置的澆注孔。在這種修補情況下，有以下兩種方法，即僅澆注黏結的方法，以及通過澆注孔配合插入鐵絲或金屬條的方法。

4. 黏接

在一般貼合或填充的情況下，使用托盤或類似方法將材料塗在目標組件上，並將組件互相緊貼到彼此上。

5. 硬化和固化

在黏合後的 24 小時或更長時間內，不要給已施加黏結的部件產生過大的衝擊振動或加上水份。

在固化過程中要適當考慮將溫度保持在 5°C 或更高。

6. 注意事項

施工時必須佩戴膠手套及口罩裝備。在清洗時用有機溶劑 (Thinner)。

效能

主劑 (A)

外觀：乳白色油脂 比重 (20°C): 1.14

固化劑 (B)

外觀：淺棕色油脂 比重 (20°C): 1.05

混合物

混合比例：A:B=2:1 (重量.%)

可使用時間：50 分鐘 (20°C/1 千克)

1. REARRANGEMENT

Clean and dry the surfaces to be bonded, removing dust or oil entirely therefrom.

2. MIXTURE

Use the compound of E209 Epoxy a and B at the mix ratio of 2: 1 (in weight) after agitating it sufficiently. Mix the agents to such an amount that the compound can be used entirely within the usable time.

3. POURING TO REPAIR LOOSENED PARTS

When the loosened parts are repaired, follow the rules of the general pouring method. In detail, pour the bond through the pouring holes set up at intervals of 20-30cm, using a grease pump or the like. In this case, there are following two methods the method in which only the bond is poured, and the method in which iron wire or anchor metals are inserted through the pouring holes and buried.

4. BONDING

In the case of general bonding or filling-up, apply the compound on the objective parts using a pallet or the like, and paste up the objects to each other.

5. HARDENING AND CURING

In 24 hours or more after bonding, do not give excessive impact vibration or moisture to the parts to which the bond has been applied.

Incidentally take due consideration to keep the temperature at 5°C or higher during the time of curing.

6. Precautions

Always wear masks and latex glove at work, to use solvent (thinner) for cleaning purpose.

Properties

Main component (A)

appearance: Milky white greasy

Specific gravity (20°C): 1.14

Hardening agent (B)

appearance: Slightly brown greasy

Specific gravity (20°C): 1.05

Mixture

Blending ratio: A:B=2:1 (wt.%)

Pot life: 50 min(20°C/1 kg)

技術資料

機械性能 (已硬化 E209 環氧樹脂)

硬化時間: 1 天

抗壓強度 壓縮彈性: 202 千克 / 米²

彎曲強度 彎曲彈性: 65 千克 / 米²

抗拉強度: 105 千克 / 米²

硬化時間: 7 天

抗壓強度 壓縮彈性:

880 千克 / 米² 2.5 x 10 千克 / 米²

彎曲強度 彎曲彈性:

802 千克 / 米² 1.8 x 104 千克 / 米²

抗拉強度: 382 千克 / 米²

測試方法: JIS-K-6911

硬化條件: 在 20°C 固化 1 天和 7 天

砂漿膠黏劑強度

時間: 1 天

黏合強度: 111 千克 / 厘米²

砂漿破損率: 83%

時間: 3 天

黏合強度: 116 千克 / 厘米²

砂漿破損率: 100%

時間: 7 天

黏合強度: 116 千克 / 厘米²

砂漿破損率: 100%

注: 根據 JIS-R-5201 測量膠黏劑強度。

28 天或以上砂漿

包裝

淨重

3.75 公斤 + 1.25 公斤

地址

H.C.M. 貿易公司

新界建旺街 4 號利通工業大廈 12 樓 3 室

WhatsApp: 9535 0688

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Technical data

MECHANICAL STRENGTH

(PERFORMANCE OF HARDENED E209 EPOXY)

Hardening time: 1 day

Compression strength Compression elasticity: 202 kg/cm²

Bending strength Bending elasticity: 65 kg/cm²

Tensile strength: 105 kg/cm²

Hardening time: 7 day

Compression strength Compression elasticity:

880 kg/cm² 2.5 x 10 kg/cm²

Bending strength Bending elasticity:

802 kg/cm² 1.8 x 104 kg/cm²

Tensile strength: 382 kg/cm²

Test method: JIS-K-6911

Hardening Conditions 1 day and 7 days curing at 20°C

MORTAR ADHESIVE STRENGTH

Time: 1 day

Adhesive strength: 111 kg/cm²

Ratio of mortar breakage: 83%

Time: 3 day

Adhesive strength: 116 kg/cm²

Ratio of mortar breakage: 100%

Time: 7 day

Adhesive strength: 116 kg/cm²

Ratio of mortar breakage: 100%

Notes: Measurement of adhesive strength according to JIS-R-5201.

Mortar aged 28 days or more

Package

Net weight

3.75 kg + 1.25 kg

Address

H.C.M. Trading Company

Flat 3, 12/F, Raton Industrial Building, 4 Kin Wong Street, Tuen Mun,
N.T. Hong Kong