

KFDN-SES800: 超早強砂漿及混凝土 Super Early Strength Pre-Mixed Dry Concrete or Mortar

KFDN-SES800 is especially suitable for emergency repairs to road and bridges. It is very easy to use by mixing with water. In addition to early strength, it has no shrinkage and is seepage resistant. It can achieve strengths of over 25MPa in 2-hr, over 35MPa in 4-hr and over 60MPa in 28 days. Please refer to Fig. 1 for more details.

本產品主要特點是：特別高的早強，加水後2小時強度大於25Mpa，4小時強度可達35Mpa以上，28天強度大於60Mpa。適用於公路、橋樑、機場的搶修及搶建工程。其特點是超早強、無收縮、高抗滲、抗硫酸鹽侵蝕。本產品加水即可使用，非常方便，市區修鋪道路、晚上施工早晨通車，可減少車輛的堵塞。詳細請參閱Fig. 1.

	Type A	Type B	Type C	
Water 水(kg/m ³)	150	150	150	
Slump 坍落度(mm)	230	230	240	
Compressive Strength 抗壓強度 (MPa)	2 hrs 2小時	27.0	32.3	35.6
	4 hrs 4小時	39.0	50.3	56.2
	8 hrs 8小時	53.8	59.8	70.5
	24 hrs 24小時	60.5	68.4	77.2
	3 days 3天	65	72.1	81.3
	7 days 7天	69	75.2	86.5
	28 days 28天	72	79.8	89.6

Fig. 1: SES800 Strength Chart 強度表 (MPa)

使用及注意事項

1. 產品使用前要做好準備攪拌後半小時內用完。如砂漿或混凝土失去流動性後，不能再次攪拌使用。
2. 謹防在運輸和使用時混入石灰等雜質，不能與普通水泥和混凝土混合使用。
3. SES800 幹拌混凝土或砂漿，不宜配製用於溫度超過100°C的耐熱混凝土。
4. 用 SES800 幹拌砂漿生產製品，可使用蒸汽養護，但養護溫度不宜高於80°C，時間不能超過2小時。
5. SES800 不宜用於水化熱太大的大體積混凝土。
6. SES800 配成混凝土後2小時，用清潔水澆水養護。
7. SES800 有效期為3個月，超過個月要重新檢測後，方可使用，要儲存在乾燥環境中，以免受潮結塊，如有結塊必須重新檢測後使用。

Application Note

1. SES800 should be used within 30min after mixing with water. The product cannot be re-mixed after hardening.
2. The product should not be used together with other concrete or cement.
3. The product should not be used in environments of over 100°C.
4. SES800 mortar can be steam cured, but temperature should be less than 80°C and for less than 2 hours.
5. SES800 is not suitable for large volume concrete application.
6. After 2 hours of mixing, spray water to help cure the concrete.
7. SES800 has validity of 3 months. Avoid humidity during storage.

KFDN-LTC5: 輕質砂漿及混凝土 Light Weight Dry Mortar or Concrete

KFDN-LTC5 is a pre-packaged light-weight mortar or concrete. By adding water to the mix, customers can create mortar or concrete that has density of 600-1600kg/m³. The product is suitable for applications such as heat shielding or sound shielding. Please refer to Fig. 2 for more details.

本產品是包裝好的輕質砂漿或混凝土，只需使用時加水攪拌均勻即可。輕質材料主要用於隔熱保溫、節能和作為隔牆之用（能減少建築物的自重）。本產品容重為600kg/m³-1600kg/m³，也可根據客戶專門配製。詳細請參閱Fig. 2.

	Density 容重 (kg/m ³)	Strength 強度 (Mpa)
Type A	600-800	0.8-2
Type B	800-1000	2-4
Type C	1000-1200	4-8
Type D	1200-1400	8-12
Type E	1400-1600	>12

Fig. 2: LTC5 Technical Data 技術指標

KFDN-SBC: 雙組份聚合物防水塗料 Polymer-enhanced Water-proofing Compound

本產品是雙組份聚合物防水塗料（丙烯酸聚合乳液和水泥基粉料雙組分）。主要優點為無接縫，有良好的彈性和延伸性，粘結力強，防水性能好，更可配成彩色防水塗料，彩色繽紛，更具有裝飾性。粉對液體比例為1.5。

KFDN-SBC is a two-part polymer-enhanced water-proofing material. It has superior water-proofing capability with elongation-to-break of over 100%. It can also be easily applied with a roller or brush. It can also come ready with various colours for decorative effect. Powder-to-liquid ratio is 1.5.

Tensile Strength 拉伸強度 (N/m ²) After 7 days 乾燥7天后		
Max.	最大值	2.34
At 100% elongation	100%延伸	2.17
At Break	斷裂時	2.24
Elongation at max. strength 最大拉力下延伸146%		
Elongation at break 斷裂時延伸172%		

Fig. 3: KFDN-SBC Technical Data 技術指標

KFDN-JMB: 防水介面寶 High Performance Water-proofing Primer

KFDN-JMB is an interfacial primer that enhances the adhesion of the base substrate to coatings products (such as tiles or paint). It also has good waterproofing property so it can protect the base substrate from deterioration. It can be applied directly to concrete, mortar or heat-shielding foam material. KFDN-JMB is packed in 25Kg bags (internal PE and external PP bag). Its validity is 4 months. Avoid humidity during storage.

Application Note

1. JMB has two products: JMB-1 and JMB-2. JMB-1 is cement based and has no sand. Application thickness is 0.5-1mm. JMB-2 is typically applied to a thickness of 1-3mm.
2. For JMB-1, water-to-powder ratio is about 0.5-0.55. For JMB-2, water-to-powder ratio is about 0.3. Minor adjustment to water dosage might be required for specific needs.
3. Let the mixture settle for 5-10 minutes after mixing. Stir the mixture again before application for best results.

本產品是一種介面處理的材料，主要作用是防水和增強介面的粘結作用。用它塗刮會獲得平整、光滑、防水、抗裂的面層，良好的粘結性甚至可塗刮在瓷磚和馬賽克表面，它還可以用於粘貼保溫材料（如發泡膠等），達到牆體保溫節能的效果。JMB防水介面寶的包裝為25公斤/包，內PE外PP包裝或紙包裝JMB存放期為四個月，過期後要經過試驗方可使用。要注意存放在乾燥的場合。

JMB防水介面寶的使用方法

1. JMB防水介面寶分有JMB-1及JMB-2。JMB-1主要是以水泥為基材，不加砂，用於需要0.5-1mm的厚度的場合；JMB-2用於需要1-3mm厚度的工程場合。
2. JMB-1防水介面寶調配用水的水灰比為0.5-0.55左右；JMB-2介面寶調配用水的水灰比為0.3左右。水量可以按操作習慣調整。
3. JMB防水介面寶只需加水攪拌均勻，即可使用。攪拌後，靜止5-10分鐘，再略攪拌一下，使用效果更好。

KFDN-CZL: 高效多功能瓷磚石材粘結料 High Performance Tile Adhesive

KFDN-CZL is an easy to use multi-purpose tile adhesive. It has enhanced adhesion, anti-cracking and waterproofing properties. Packaging is 25Kg bags (internal PE and external PP bag). Validity is 6 months. Avoid humidity during storage.

Application Note

1. Just mix the powder with water for usage.
2. Water dosage should be based on substrate material and humidity. Water-to-powder ratio is about 0.5.
3. Let the mixture settle for 5-10 minutes after mixing. Stir the mixture again before application for best results.
4. CZL can be applied on the base substrate, then lay the tiles on the mixture.

本產品是用於粘貼瓷磚石材等專用的粘結材料，具有改善施工性，抗裂、防水、提高粘結強度等多種功能，使用方便，只需按比例加水攪拌即可使用。CZL粘結料的包裝為25公斤/袋。內PE外PP或紙袋包裝均有。粘結料有效期為半年。要注意存放在乾燥的場合。

CZL 粘結料的使用方法

1. 只需將CZL料加水攪拌均勻後即可使用。
2. 用水量應根據操作習慣、基底材料、乾燥程度決定。
3. 漿體攪拌後，靜止熟化約5分鐘，後使用最佳。
4. 在基底上抹一層CZL料，再將瓷磚粘上去，這樣操作方便，速度快。

KFDN-PAZ: 樹脂修補錨固料 Epoxy-based Anchor

KFDN-PAZ is an epoxy-based anchor that is packaged in an easy to used glass enclosure. Use the screw that is included with the product to break the enclosure and allow the epoxy to be mixed thoroughly. Solidified anchor can reach strength of up to 60MPa in 2-hrs.

Application Note

1. Drill hole to specified dimensions.
2. Insert glass enclosure into hole. Break the enclosure with given screw. Let the epoxy cure and the screw becomes part of the anchor.

本產品以不飽和樹脂為主料，配上填料、色料及催化劑、固化劑等以特定工藝配製而成。2小時強度可達到60MPa，是修補、錨固、加固、定位、家居裝修承重的理想材料。配有裝有樹脂的玻璃管與螺栓套裝，使用更為方便。使用方法：

1. 按錨孔尺寸鑽出規定直徑和深度的錨孔。
2. 用壓縮空氣和毛刷將錨孔內的浮灰清理乾淨；並使錨孔內基本無水。將玻璃管放入錨孔內。
3. 將需錨固的螺絲杆鑽入錨孔內，同時打碎玻璃管。等樹脂凝結。

Property 項目	Specification 指標	Note 備註
Density 比重	1.8~2.0g/m ³	
Setting Time 凝結時間 (at 25°C)	20~40 min	
Cure time 等待時間 (at 25°C)	2~3 hrs	Apply load after this 等此時間後承載
Compressive Strength 抗壓強度	≥60 MPa	2hrs 兩小時
Tensile Strength 抗拉強度	≥10 MPa	2hrs 兩小時
Adhesion Strength 粘接強度	≥7 MPa	2hrs 兩小時

Fig. 4 : KFDN-PAZ Technical Data 技術指標

:: Statements of responsibility ::

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