

Streetscape¹ T60 Rapid Bedding Mortar

A superior quality polymer modified High-Strength Bedding Concrete, manufactured under an ISO 9001 quality controlled environment. Kilsaran T60 is produced using dried sands, cement and additives. Admixtures are added into the mix design to manufacturer's specifications. All constituent materials comply with the requirements of the relevant and current Irish, British and European standards. This product offers many advantages over conventional site-mixed or readymixed rendering mortars:

- Rapid Setting – Initial set in 15 minutes
- Shrinkage compensated
- High early and ultimate strengths
- Light foot traffic in just 1 hour
- Long term durability
- Convenient and User-Friendly
- Eliminates Waste
- Minimum traffic disruption

Field Of Application

Kilsaran T60 is a rapid setting, high strength bedding mortar designed for the bedding of ironworks as part of the Department of Transport Part 4 HD 27/94, where mortars for bedding ironwork (such as manhole cover frames) during repairs should reach 20N/mm² within 2 hours. T60 Rapid Bedding Mortar is also ideal for the following applications:

- Bedding and raising street ironwork
- Manhole frames and gullies
- Bedding posts, railings and bollards
- Bedding of precast units
- Emergency bedding of stone setts, slabs and cobbles

Working Instructions

T60 Rapid Bedding Mortar should be used in suitable bonded rigid constructions. The product should not be used in temperatures below 3° C in a falling temperature or below 1° C on a rising thermometer. The surface of the substrate should not be frozen or >30° C before bedding commences. Movement joints will be required in rigid/bonded constructions and should be designed and marked by the design team.

Substrate

The substrate, including sub-base and road base should

meet the requirements of the relevant part of BS7533 depending on type of use.

Preparation

All substrates must be suitable to receive the laying course as per current good working practices. All substrates for bonded constructions must be clean and thoroughly sound, free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion.

Mixing

T60 Rapid Bedding Mortar is supplied in dry form and simply requires the addition of clean water. To achieve a stiff bedding, add the contents of a 25kg bag to 2.5 - 2.7 litres of clean potable water. Mixing can be carried out in a forced action or paddle mixer, until a stiff, zero slump and homogenous mix is achieved. Do not re-wet previously mixed batches. Mix only enough material that can be placed and finished in 5-10 minutes.

Priming

To achieve a bond strength as described in BS 7533, the substrate must be primed using Priming Slurry prior to placing High-Strength Bedding Concrete. All paving units must be primed with Priming Slurry promptly - prior to placing into T60 Rapid Bedding Mortar.

Application

T60 Rapid Bedding Mortar can be applied in a bed of 10 - 75mm in a single pass. Greater thicknesses can be applied but should be laid wet on wet, with each layer being sufficiently compacted prior to laying another pass. When applying another layer to a layer which has cured, it should first be primed with Priming Slurry. For applications of greater depths the material can be bulked out with well graded 10mm aggregate. When bedding frames, ensure to level and tap ironwork into position as soon as possible after placing mortar. Exposed surfaces should be float finished. Once initial set has occurred on the mortar the area can be backfilled.

Product Yield

Approx. 13 litres per 25kg bag.

Storage

Both bulk bags and packed products must be stored clear of the ground in cool, dry conditions and protected from wind, rain and external physical damage. Packed products must be stored in unopened, original bags.

Disposal Considerations

Waste treatment methods: Alternative uses should be sought for any surplus mortar. Mortar waste should be disposed of in accordance with local authority guidance/regulations. Avoid entry of mortar waste into sewage or drainage systems or bodies of water, e.g. streams and rivers.

Safety

Classification according to Regulation (EC) No 1272/2008. Hazard pictograms: **GHS05** corrosion. Signal Word: **Danger**. Hazard-determining components of labelling: **Contains Portland Cement**. All standard precautions for the handling of construction materials/chemicals must be taken. Get medical advice / attention IF YOU FEEL UNWELL. See Kilsaran Health and Safety Data Sheet for further detailed information.

Technical Information

Approx. Product Yield		
Bedding Depth	Kgs per m ²	25kg bag per m ²
10	20	1
20	40	2
30	60	3
40	80	4
50	100	4
60	120	5
70	140	6
75	150	6

Hazard Statements

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H335: May cause respiratory irritation.

Precautionary Statements

- P102: Keep out of reach of children.
- P202: Do not use until all safety precautions have been read and understood.
- P260: Do not breathe dust/fume/gas/mist/vapours/spray
- P262: Do not get in eyes, on skin or on clothing.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical advice / attention.
- P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs get medical advice / attention.
- P362: Take off contaminated clothing
- P363: Wash contaminated clothing before reuse
- P403+P233 Store in well-ventilated place. Keep container tightly closed.
- P405: Store locked up.
- P501 Disposal: Allow to harden and dispose of as priming slurry waste.

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	Flexural Strength	Compressive Strength
1 hour	5 N/mm ²	20 N/mm ²
2 hours	5.5 N/mm ²	25 N/mm ²
1 day	7 N/mm ²	35 N/mm ²
7 days	8 N/mm ²	45 N/mm ²
28 days	10 N/mm ²	50 N/mm ²
Recommend water content	2.5 - 2.7 litres /Bag	
Pot life	5 - 10 minutes depending on ambient conditions	
Fresh Density (BS EN1015-6)	2200 kg/m ³	
Initial Set	15 Minutes	
Final Set	20 Minutes	

