

TamCrete 65HB

Dual Shrinkage Compensated, Fiber based Cementitious Patch Repair Mortar

normet

CONSTRUCTION CHEMICALS
TECHNICAL DATA SHEET

DESCRIPTION



TamCrete 65HB is a cement & fiber based dual shrinkage compensated, thixotropic patch repair mortar. It is designed to achieve high strength. To be used for repair and rehabilitation of concrete structures and to form new durable and strong concrete structure.

KEY BENEFITS

- › It is ready to use, simply mix with water & start application
- › Gives durable structure once applied
- › Easy to repair for vertical and horizontal application
- › Reduces times of application
- › Can avoid application of primer and bonding agent
- › Excellent bond strength to concrete

TYPICAL APPLICATIONS

- › For repair of beams, columns and other structures
- › Repair of piers, dam seawall, silos
- › Repair of bridges, tunnels, concrete roads etc
- › Repair of concrete structures

TECHNICAL DATA

Visual Appearance	Powder
Colour	Grey
Density (Kg/m ³)	Minimum 2200
W/P Ratio	0.16
Flow (mm) after 15 Strokes	140 – 200

Compressive strength (ASTM C109 using 70mm cube)	1 Day $\geq$ 30 MPa
	3 Days $\geq$ 45 MPa
	7 Days $\geq$ 55 MPa
	28 Days $\geq$ 65 MPa
Flexural Strength 28Days (EN1015-11:2019)	$\geq$ 10 N/mm ²
Tensile Strength 28Days (ASTM C 307:2018)	$\geq$ 5 N/mm ²
Pull off adhesion strength 28Days (EN 1015-12:2016)	$\geq$ 1.5 N/mm ²
w/p for 30Kg Material	4.7 to 5 Liter
Application Temperature >Substrate >Mix of TamCrete 65HB	(+5 to + 40°C) (+5 to + 30°C)

All technical data stated herein is based on tests carried out under laboratory conditions 25°C.

APPLICATION GUIDELINES

Surface Preparation: Before application of TamCrete 65HB, substrate need to be free from all loose traces of concrete or mortar. It must be free from oil, grease etc. In case of column reinforcement, please make minimum 10-20mm of space behind of it. It is better if surface is presoaked with water.

Mixing: TamCrete 65HB is supplied in a ready to use form, only add fresh clean water. The selected water content should be accurately measured into a mixing vessel, slowly add the dry powder (TamCrete 65HB) while mixing. For optimum results, TamCrete 65HB must be mixed with a mechanical mixer at high speed to 400-600rpm. Mix it for 3-5 minutes, until it gets free from lumps and make mix homogeneous. Allow mix to rest for 2 minutes & remixed for 1 minute before application. Apply the mix by hand or sprayed methods. For finishing use metal or wooden trowel. We can spread some dry powder of TamCrete 65HB to get smooth finish at the top. Use wet sponge to make smooth finish on surface once it started to stiffen. It is essential that the grouting operation is continuous hence ensuring enough labor and mixing capacity is available.

Note: DO NOT ADD ADDITIONAL WATER. Discard any material that has hardened or stiffened. Do not use Warm water, it will reduce the workability time and effect on consistency.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

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Placing: - It is essential to apply the mix at ambient temperature and should be consumed within 25 minutes after mixing. TamCrete 65HB can be placed in thickness ranging from 10mm to 50mm. If thickness is greater than 50mm then allow first layer to cure for 24Hrs and go for second layer. For more details, please contact with local representative of Normet

Curing: On completion of grouting, exposed area should be covered with plastic sheet for 24hrs to prevent excessive moisture loss. Keep grout covered for a minimum of 24 hours, else use curing compound like TamCrete CCA. Lack of enough curing could result in plastic cracking and drying shrinkage on surface. The surface should be protected for at least seven days with either a curing compound or plastic sheet.

Cleaning: TamCrete 65HB should be removed from tools and equipment with clean water immediately after use.

PACKAGING

TamCrete 65HB is available in 25 Kg HDPE bags. Pack size may vary subject to local regulations and requirements.

STORAGE

TamCrete 65HB should be stored at room temperature (min 10°C and max 40°C). Kept in dry and away from sunlight.

HEALTH & SAFETY

TamCrete 65HB should only be used as directed. We always recommend that the Safety Data **Sheet** (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Health & Safety data sheet is available upon request from your local Normet representative.