

# HEX

## HEX FLEX (2004) Heavy Duty

### غراء بورسلان وسيراميك

مقاوم للماء والضغط والإجهاد الحراري ، للاستخدامات الداخلية والخارجية  
Water Resistance and thermal stress. For interior and exterior use.



غراء بلاط وبورسلان وسيراميك عالي الكفاءة ، مقاوم للماء والضغط والإجهاد الحراري ومختلف الظروف المناخية ، مناسب للاستخدامات الداخلية والخارجية ، صالح لمختلف الأغراض : أرضيات ، جدران ، مطابخ ، دورات مياه ، مسابح ، أحواش ، أسطح . ومختلف أنواع البلاط : بورسلان ، جرانيت ، سيراميك ، حجر ، بلاط بلدي .

Highly efficient tile, porcelain and ceramic glue, resistant to Water , pressure, thermal stress and various climatic conditions, suitable for internal and external uses, suitable for various purposes: floors, walls, kitchens, bathrooms, swimming pools, patios, and roofs. Various types of tiles: porcelain, granite, ceramic, Stone, and local tiles.



Follow us on social media to receive our latest news

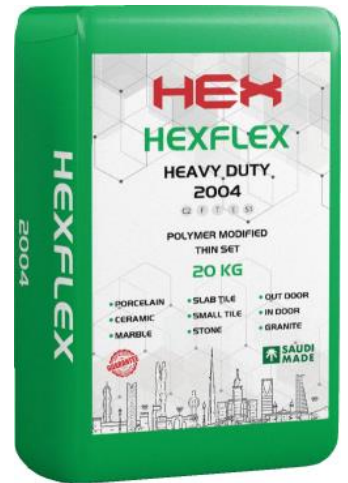
# DATA SHEET

## HEXFLEX (2004) Heavy Duty

High performance grade mortar to work with large size porcelain tiles, ceramic, marble and natural stone indoor & outdoor (C2 FTE S1)

### PRODUCT DESCRIPTION:

**HEXFLEX (2004) Heavy Duty** is a Category C2-FTE S1 high performance tile adhesive for all types of floor and wall tiles. **HEXFLEX (2004)** combines excellent bonding strength with long application and correction time. With its white color. **HEXFLEX (2004)** can also be used for marble tiles. **HEXFLEX (2004)** is approved for exterior and interior applications.



### TYPICAL APPLICATIONS

**HEXFLEX (2004) Heavy Duty** can be used for all types of tiles for wall and floor areas made from concrete, render or dense bricks. It is suitable for interior and exterior application, including for all commercial and industrial projects requiring outstanding performance in terms of bonding, water resistance and thermal stress.

### STANDARDS COMPLIANCE

BS EN 12004:2010 as C2 TE S1  
ISO 13007:2010 as C2 TE S1

### SUBSTRATES

Concrete, fair-faced concrete, render, gypsum & cement boards.

### FEATURES & BENEFITS

- C2-FTE S1 Category tile adhesive for all types of tiles.
- Superior performance in bonding, water resistance and thermal stress.
- For interior and exterior use.

### TECHNICAL DATA

ITEM	DESCRIPTION
Binder	Grey Cement White Cement
Aggregates	Graded sand (Max. grain size 1 mm)
Additives	Organic polymers to improve consistency and workability

### APPLICATION

ITEM	DESCRIPTION
Mixing Ratio	5-5.5L/20kg
Rec. min. thickness	3 mm
Max. Thickness/layer	10 mm
Adjustability	Approx.80 minutes
Set to light foot traffic	24 hours



# DATA SHEET

## TAYPICAL PROPERTIES

ITEM	DESCRIPTION
Appearance	Off-white or grey powder
Bonding strength	>1N/mm
Consumption per m2	1.22kg/mm
Mortar class	C2-FTE-S1
Open Time	>30min
Pot life	>60min
Yield.approx-20kg bag	18 Liters
Compressive Strength	10 N/mm

## APPLICATION PROCEDURE

### • Surface preparation

All surfaces must be clean, sound and free from all traces of oil, grease, mold release agent and curing compound. concrete, renders and blockwork should be cured sufficiently that all shrinkage has occurred. Minor surface inconsistencies should be filled and leveled out with **HEXFLEX** (2004) Heavy Duty in advance.

### • Mixing instructions

Add 20kg of **HEXFLEX** (2004) Heavy Duty to 5-5.5L of cool, clean and salt-free water. Mix to a uniform lump free consistency ideally with a mixing machine at slow speed. Allow the material to rest, after 5 minutes stir again.

### • Application instructions

Dampen substrate with clean and salt-free water directly before application. Apply 3-1 mm layer of material with notched trowel to the surface. Place the tile, slide into position and lightly tap it down. Ensure that at least 75% of the tile surface has contact with adhesive. Make sure the tile is placed before material forms a skin on the surface.

### APPLICATION TEMPERTURE

Do not use material below 50C schedule work morning hours during extreme heat.

### TECHNICAL INFORMATION

Consult the **HEX** Technical Services Department for specific recommendations concerning all other application.

### LIMITATIONS OF USAGE

- Avoid applying the material in direct sunlight
- Always add material to the water
- Do not re-temper mixed material
- Do not mix with any other material
- Setting time of the product may vary largely depending on climatic conditions, substrates and application thickness of the product





# DATA SHEET

## APPLICATION INSTRUCTIONS

As with all building products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eye and skin immediately. If accidentally ingested, seek immediate medical attention. Use in well ventilated areas. Avoid inhalation of dust when using powdery products. Wear suitable protective gloves, safety goggles and respiratory protection mask.

## STORAGE

12 months after the production date under appropriate storing conditions. Opened packages have to be stored by tightly sealing the bag, and must be used in one week.

## PACKING

20 Kg bag



# DATA SHEET

## HOW TO TILE A SWIMMING POOL IN 5 SIMPLE STEPS

### With **HEXFLEX (2004) Heavy Duty**



- **Step 1 Prepare the Surface**

Before starting the tiling process, it is essential to ensure that the pool surface is properly prepared. This involves cleaning the surface thoroughly and removing any dirt, debris, or existing tiles. Make sure to repair any cracks or imperfections in the surface using suitable crack filler .

- **Step 2 BONDING AGENT**

Once the surface is clean and dry, apply the priming coat of **HEXbond2** making sure to cover the entire pool surface area and then allow it to dry for 2 - 4 hours.



- **Step 3 Mixing and Applying Tile Adhesive**

Now it's time to mix and apply the swimming pool tile adhesive. Follow the instructions on the packaging to mix the tile adhesive properly. Once mixed, starting from the top of the pool, apply a 5mm thick layer of **HEXFLEX (2004) Heavy Duty** onto the surface using notched trowel.

- **Step 4 Place the Glass Mosaic Tiles**

Carefully place each glass mosaic tile sheets onto the adhesive, pressing them firmly into place to ensure a strong bond. Continue this process, working in small sections, until all of the tiles are installed. Allow tiles to set for 72 hours.



# DATA SHEET

## • Step 5 Grouting

Once the tile adhesive has dried and the tiles are securely in place, it's time to apply grout to the joints between the tiles. Mix the grout according to the instructions written on the packaging. Apply the grout using a rubber grout float to press the grout into the gaps, and then use a damp scrubber/sponge to remove any excess grout from the tile surfaces. Allow the grout to dry for the amount of time specified on the packaging, and then use a clean cloth to buff the tiles and remove any remaining grout haze. Be sure to wait for 14 days before filling the pool with water after tile installation. That's it! You've successfully tiled your swimming pool.



# HEX

المنطقة الشرقية - حي الشعلة - شارع سلامة بن كهيل

**Email: [Sales@Hex.sa](mailto:Sales@Hex.sa)**

**[WWW.HEX.SA](http://WWW.HEX.SA)**

