

**CATALOGUE**



**Monza**

Construction Chemicals

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# MONZA DC-1000

## SELF-LEVELING FLOOR SCREED

### DESCRIPTION

- Single component, self-smoothing, polymer modified, cement based floor levelling screed.

### QUALITY CERTIFICATES:

- In Accordance with **TS EN 13813** standards **CT-C30-F6**



CT	Cementitious
C30	Compressive Strength.
F6	Flexural Strength.



### TECHNICAL DATA

Appearance	: Grey Powder
Application Temperature	: (+5°C) – (+30°C)
Application Thickness	: 1-10 mm
Mixing Ratio (water/dry mixture)	: ~ 4.8 Litre / 20 kg Powder
Time required for foot traffic	: 6-8 hours
Time required for last coating process	: 24-48 hours
Pot Life	: ~ 50 minutes
Largest aggregate size	: 0.71 mm
Compressive Strength	: ≥ 30 N/mm <sup>2</sup> ; C30 (After 28 days)
Flexural Strength	: ≥ 6 N/mm <sup>2</sup> ; F6 (After 28 days)
Fire response class	: A1 <sub>fl</sub>

• These values are obtained under laboratory conditions (23±2 °C temperature, 50% relative humidity) and may differ due to worksite conditions.

• **YAL-NA** İnş. Beyaz Eşya Gıda Tekn. San. ve Tic. Ltd. Şti.. is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### INTENDED USES

- As a levelling screed under the final coating for PVC-linoleum, laminate-lamina parquet, wood, carpet and ceramic coating etc.
- Used for providing concrete surface with the desired smoothness on factory floors with light and medium load, workshops and warehouses.

### PROPERTIES

- Creates a smooth surface with self-smoothing.
- Easy to apply. Does not require much effort.
- Suitable for **1-10 mm** thickness application without shrinkage, cracking and deterioration.
- High flexural and compression strength.

### SURFACE TREATMENT

- The surface must be clean, dry, smooth and solid.
- The surface must be free from residues that will prevent adhesion.
- Cracks on the surface must be repaired with **Repair Mortar**.
- Application thickness should be determined depending on roughness and porosity characteristics of the surface.
- For applications in areas with many surface defects or in large areas, it is advisable to use gauge.
- **Screed and floor primer** should be applied before the application.
- Cement floor should be at least 28 days, concrete should be at least 3 months old.

### APPLICATION

- Slowly pour 25 kg **MONZA DC-1000** powder into 6.0-6.5lt water and thoroughly mix it with a low-speed mixer (max. 600rpm) until it becomes a smooth, homogeneous substance.
- Do not add any additional additives, unless mentioned in the instructions.
- Rest the prepared mortar for 2-3 minutes and stir it again for 1-2 minutes before application.
- The prepared **MONZA DC-1000** at fluid viscosity should be emptied over the surface.
- The thickness of the self-smoothing mortar should be adjusted with steel trowel.
- During application, a spike roller should be used to avoid air bubbles in the product, to facilitate the spreading process, and to make surface finishes.
- The prepared mortar should be consumed within **20 minutes**.

### PACKAGING

- 25 kg Kraft Paper bag (Pallet 64 bags, 1600 kg)

### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture

### WARNINGS AND RECOMMENDATIONS

- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- During application, surface must be protected from wind and direct sunlight.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.
- Do not leave it as the last layer. Apply wood, laminate, carpet, ceramics etc. on it.
- Do not apply in industrial areas.
- Do not use on surfaces that are permanently wet.

### CONSUMPTION

1.5-1.8 kg/m<sup>2</sup> (for 1 mm thickness)





## INTENDED USES

- For horizontal and vertical applications of interiors and exteriors,
- Wet surfaces such as bathrooms & kitchens.
- Used to fill ceramic, tile, marble and granite joints adhered to existing surfaces.



## PROPERTIES

- Easy to use. Desired consistency can be achieved by mixing with water.
- Leaves no scratches on surface.
- Resistant to impact and vibration.
- Provides smooth surface.
- For joints up to 6 mm wide.
- Difficult to pollute because of its low water absorption.



## SURFACE TREATMENT

- The surface must be clean, dry, smooth and solid.
- Particles hampering adhesion like dirt, oil and paint must be removed from the surface.
- Before grouting, wait until the adhesive has completely set.
- The joint should be completely free from residues that may prevent adhesion. The depth between the joints should be at least 2/3 of the ceramic thickness.
- When using materials with high coating absorbance, while applying in hot and windy weather, the joints should be moistened with clean water.



## APPLICATION

- Slowly pour 5 kg **MONZA FLEKS FUGA** powder into 1.25-1.625lt water and thoroughly mix it with a low-speed mixer until it becomes a smooth, homogeneous substance. Excess or insufficient amounts of water can cause cracking, low abrasion resistance and colour defects.
- Rest the prepared mortar for 5-10 minutes and stir it again for 1-2 minutes before application.
- The mortar should be spread on the surface and filled with the rubber spatula with cross movements to the tile spacing's and the excess must be removed from the surface.
- When the mixture loses its plasticity and becomes matt, usually after 10-20 minutes, clean the surface with a damp sponge working in a circular motion.



## PACKAGING

- 5 kg Plastic Bucket (Pallet 100 buckets, 500 kg)



## SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.



## WARNINGS AND RECOMMENDATIONS

- Colour fluctuation may occur when wiping is performed before due time or by using an excessively wet sponge. Sponge should be cleaned at regular intervals.
- When **MONZA FLEKS FUGA** is dry enough not to drag from the joints, any residue left can be cleaned from the surface with a clean dry cloth.
- When applied on very hot, dry and windy conditions, it is advisable to sprinkle water on a few hours after application to improve the final performance.
- Do not breathe the powder or contact with skin or eyes as it is cement-based. After application, hands and applications tools should be thoroughly washed with water.



## CONSUMPTION

Ceramic dimensions	Joint width			
	2 mm	3 mm	4 mm	6 mm
10x10 cm	550 g/m <sup>2</sup>	700 g/m <sup>2</sup>	950 g/m <sup>2</sup>	1500 g/m <sup>2</sup>
10x20 cm	350 g/m <sup>2</sup>	550 g/m <sup>2</sup>	750 g/m <sup>2</sup>	950 g/m <sup>2</sup>
20x20 cm	600 g/m <sup>2</sup>	400 g/m <sup>2</sup>	500 g/m <sup>2</sup>	750 g/m <sup>2</sup>
25x40 cm	200 g/m <sup>2</sup>	250 g/m <sup>2</sup>	300 g/m <sup>2</sup>	500 g/m <sup>2</sup>
30x30 cm	150 g/m <sup>2</sup>	250 g/m <sup>2</sup>	350 g/m <sup>2</sup>	450 g/m <sup>2</sup>
60x60 cm	80 g/m <sup>2</sup>	120 g/m <sup>2</sup>	150 g/m <sup>2</sup>	225 g/m <sup>2</sup>

# MONZA FLEKS FUGA

## FLEX GROUTING MORTAR WITH SILICONE



## DESCRIPTION

- Cement based grouting mortar developed with polymer additives, reduced water absorption and high abrasion resistance, improved with application properties.



## QUALITY CERTIFICATES:

- In Accordance with **TS EN 13888** standards.

**CG2 WA Class**



C	Cemenerous
G	Grout
2	High Performance
W	Reduced Water Absorption
A	High Abrasion Resistance



## TECHNICAL DATA

Appearance	: White, Grey, Beige and Black
Application Temperature	: (+5°C) – (+30°C)
Temperature Resistance	: (-40°C) – (+80°C)
High abrasion resistance	: ≤ 1000 mm <sup>3</sup>
Flexural strength after dry storage	: ≥ 2.5 N/mm <sup>2</sup>
Compressive strength after dry storage	: ≥ 15 N/mm <sup>2</sup>
Flexural strength after freeze-thaw cycle	: ≥ 2.5 N/mm <sup>2</sup>
Compressive strength after freeze-thaw cycle	: ≥ 15 N/mm <sup>2</sup>
Shrinkage	: ≤ 3 mm/m
Water Absorption	: ≤ 2 g (30 min. later) ≤ 5 g (240 min. later)
Completely set time	: 12 hours
Pot Life	: 1 hour
Time required for foot traffic	: 24-48 hours
Set Time	: 20 minutes (200C)

- These values are obtained under laboratory conditions (23±2 °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **YAL-NA** İnş. Beyaz Eşya Gıda Tekst. San. ve Tic. Ltd. Şti.. is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.



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# MONZA LATEX

## WATER PROOFING MORTAR ADMIXTURE



### DESCRIPTION

- Styrene butadiene based mortar admixture to increase the workability and impermeability of cement based materials like screed, plaster and mortar.



### QUALITY CERTIFICATES:

- In Accordance with **TS EN 1504-2** standards.



### TECHNICAL DATA

Appearance : White Liquid

Application Temperature : (+5°C) – (+30°C)

Time required in-between layers : 4-6 hours

pH : 9±1.5

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### INTENDED USES

- Increase the adhesion strength on the ground,
- Increases abrasion resistance,
- Improves water impermeability,
- Increasing freeze-thaw cycle resistance.



### PROPERTIES

- Easy to use.
- Creates strong bonds on applied area.
- Increases resistance to shrinkage cracks.
- Increases flexibility and adherence of mortar.



### SURFACE TREATMENT

- Surface must be clean, dry, smooth and solid.
- Particles hampering adhesion like dirt, oil and paint must be removed from the surface.
- Prevent excess air ingress by not shaking too much.



### APPLICATION

#### Screed mortar applications:

- Latex/Water ratio for plastering process: 1/3 - 1/4 mix in a clean pot.
- Ratio for Cement/Sand mortar: 1/3
- Add the dry mixture into the liquid mixture to create a liquid mortar.

#### Repairing mortar applications:

- Latex/Water ratio for hot temperature applications preventing rapid water loss and shrinkage cracks: 1/2 - 1/3 mix in a clean pot.
- The Cement/Sand ratio of the mortar: Must be 1/2 - 1/3. Grain size of sand must be adjusted according to plaster thickness.
- A homogeneous mixture should be formed by adding dry mixture onto the liquid mixture.

#### For primer applications and to increase the adherence:

- Latex/Water ratio: Mix in a clean pot with a 1/1 ratio and add cement until a slurry consistency is achieved.
- Apply cement slurry with a brush or by pouring on surface. Do not apply plaster or screed before it sets completely.
- Apply latex slurry on surface for tile and ceramic adhesive applications.
- Use Latex/Water mixture as a primer for adherence.



### PACKAGING

- 5 L & 20 L Plastic Jerry Can



### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.



### WARNINGS AND RECOMMENDATIONS

- After application, hands and applications tools should be thoroughly washed with water.
- During application, surface should be protected from wind and direct sunlight.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- Prevent temperature from dropping below +4°C before setting.
- Always use fresh binders and proper granulated compound, clean and washed material.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.



### CONSUMPTION

- To increase the adherence, Latex/Water ratio: 1/1-1/4
- For mortar admixtures: Add up to 2-3% of the cement weight.





# MONZA Q-1058

## DOUBLE COMPONENT FULL ELASTIC WATERPROOFING MORTAR



### DESCRIPTION

- Cement based, two component, highly flexible waterproofing mortar modified with added chemicals for positive use.



### QUALITY CERTIFICATES:

- In Accordance with **TS EN 1504-2** standards.



### TECHNICAL DATA

Appearance	: Grey Powder & White Liquid
Application Temperature	: (+5°C) - (+30°C)
Temperature Resistance	: (-30°C) - (+80°C)
Time required in-between layers	: 5-6 hours
Application Thickness	: 2-3 mm
Time required for getting completely waterproof	: 7 days
Completely set time	: Min. 48 hours
Liquid & Mortar Density	: 1.05±0.03 kg/litre & 1.76±0.05 kg/litre
Liquid & Mortar pH	: 7.6±0.5 & 12.0±0.5
Mechanical strength gain time	: 3 days
Capillary water absorption and water permeability	: W < 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Fire response class	: B-s1,d0

• These values are obtained under laboratory conditions (23±2 °C temperature, 50% relative humidity) and may differ due to worksite conditions.

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### INTENDED USES

- For horizontal and vertical applications of interiors and exteriors,
- Foundations, basement walls, retaining walls, terraces, garages and canalettes,
- Wet areas such as balcony, bathrooms, toilets & kitchens,
- Works well on surfaces like concrete, plaster and screed.



### PROPERTIES

- Compounds are pre-proportioned in packaging.
- Easy to prepare and apply.
- Enables the application of coating materials such as ceramics on it.



### SURFACE TREATMENT

- The surface must be clean, dry, smooth and solid.
- Particles hampering adhesion like dirt, oil and paint must be removed from the surface.
- Cracks on surface must be repaired with **REPAIR MORTAR** at least 24 hours prior to **MONZA Q-1058** application.
- Sharp corners and building elements must be rounded by chamfering.
- Very porous surfaces such as exposed concrete, cement based plaster must be wetted with clean water and waited until the water layer disappears in order to keep the surface moist.
- Consult us for all other application surfaces.



### APPLICATION

- Slowly pour 20 kg **MONZA Q-1058** powder into 10 kg **MONZA Q-1058** liquid component and thoroughly mix it with a low-speed mixer (max. 600rpm) until it becomes a smooth, homogeneous substance.
- Do not add any additional additives, unless mentioned in the instructions.
- Rest the prepared mortar for 2-3 minutes and stir it again for 30 seconds before application.
- Apply at least 2 layers of prepared mortar onto surface with a brush or trowel, each layer must be applied perpendicular to each other.
- Wait at least 5-6 hours before applying second layer.
- After the second layer application, the surface must be protected against sun and fast drying for 3 days.



### PACKAGING

- 20 kg Kraft paper bag (Pallet 64 bags, 1280 kg)
- 10 kg Plastic jerry can (Pallet 64 Plastic jerry can, 640 kg)



### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture. Protect from freezing.



### WARNINGS AND RECOMMENDATIONS

- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- Within 3 days after the application of **MONZA Q-1058**, coating application like ceramic etc. must not be started.
- During application, surface must be protected from wind and direct sunlight.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- Only use its own liquid for mixing, absolutely no water must be added.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.



### CONSUMPTION

- 3.0-3.5 kg/m<sup>2</sup> for 2 mm application.



# MONZA ULTRA FLEKS 1K

## PORCELAIN CERAMIC AND GRANITE FLEXIBLE ADHESIVE

### DESCRIPTION

- Cement-based, single component adhesive mortar with high granulometric hydraulic binders. Modified to be highly-flexible, polymer reinforced adhesive mortar with, reduced slip feature and long workability.

### QUALITY CERTIFICATES:

- In Accordance with **TS EN 12004** standards.  
**C2TES1 Class**



C	Cementitious
2	High Performance
T	Reduced Slip
E	Extended Open Time
S1	Deformable

### TECHNICAL DATA

Appearance	: Grey, White Powder
Application Temperature	: (+5°C) – (+30°C)
Temperature Resistance	: (-40°C) – (+80°C)
Required time for grouting	: 24 hours - Wall / 24 hours - Floor
Pot Life	: 3-4 hours
Open Time	: Max. 30 minutes
Application Thickness	: 3-6 mm
High initial tensile adhesion strength	: $\geq 1.0$ N/mm <sup>2</sup>
High tensile adhesion strength after heat cycle	: $\geq 1.0$ N/mm <sup>2</sup>
High tensile adhesion strength after water cycle	: $\geq 1.0$ N/mm <sup>2</sup>
High tensile adhesion strength after freeze/thaw cycling	: $\geq 1.0$ N/mm <sup>2</sup>
Extended Open Time: Tensile adhesion strength	: After 30 minutes $\geq 0.5$ N/mm <sup>2</sup>
Slip	: $\leq 0.5$ mm
Fire response class	: B-s1,d0

- These values are obtained under laboratory conditions (23 $\pm$ 2 °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **YAL-NA** İnş. Beyaz Eşya Gıda Tekst. San. ve Tic. Ltd. Şti.. is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### INTENDED USES

- Wall & floor in interior applications of buildings, floor on exterior applications of buildings.
- Suitable for crowded and heavily trafficked areas
- Surfaces with underfloor heating exposed to variable temperature differences, Wet areas such as bathrooms & kitchens, **terraces**,
- Ceramic on ceramic applications (after applying **Ceramic Primer** on old ceramics), On surfaces like concrete, plaster and screed,
- After use of **Insulation Primer** on gypsum surfaces, the adhesive is used for bonding tiles such as ceramic, granite, porcelain ceramic.

### PROPERTIES

- Easy to use. Desired consistency can be achieved by mixing with water.
- **Resistant to surface tension resulting from heat fluctuation.**
- **S1 class flexure.** It has high adhesion strength.
- Does not slip in vertical applications. Open time is 30 minutes.
- Long working time.
- Resistant to freeze-thaw cycle.

### SURFACE TREATMENT

- The surface must be clean, dry, smooth and solid.
- Particles hampering adhesion like dirt, oil and paint must be removed from the surface.
- Cracks on surface must be repaired with **Repair Mortar** at least 24 hours prior to application.
- Dusty surface behind ceramics must be wiped and moistened before application.
- The surface should be dampened in applications above 30°C.

### APPLICATION

- Slowly pour 25 kg **MONZA ULTRA FLEKS 1K** powder into 6.0-7.0lt water and thoroughly mix it with a low-speed mixer until it becomes a smooth, homogeneous substance.
- Do not add any additional additives, unless mentioned in the instructions.
- Rest the prepared mortar for 5-10 minutes and stir it again for 1-2 minutes before application.
- Spread the mortar onto the substrate with notched trowel of which notch size is appropriate to the tile dimension and the smoothness of the application surface. Double-sided application is recommended as the size of the ceramic increases.
- Before combing, apply mortar on application surface and scrape to form a thin layer. Spread mortar again, and comb it using an appropriate sized trowel with a 60° incline.
- Ceramic, granite, porcelain ceramic, marble, etc. the coatings should be bonded within 30 minutes by applying a force with a rubber hammer onto the combed mortar. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time.
- In case of expiring mortar the entire non-sticking layer needs to be scraped away and a new adhesive layer reapplied to the cleaned surface.
- After 24 hours from the application of **MONZA ULTRA FLEKS 1K**, application is completed with **FLEKS FUGA Silicone additive flex tile grout** according to the appropriate joint range.

### PACKAGING

- 25 kg Kraft paper bag (Pallet 64 bags, 1600 kg)

### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture

### WARNINGS AND RECOMMENDATIONS

- **MONZA ULTRA FLEKS 1K** is suitable for use within 30 minutes of application to the surface to be applied. Use in excess of 30 minutes is not appropriate.
- After application of **MONZA ULTRA FLEKS 1K** direct contact with water must be avoided for at least 24 hours.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- During application, surface must be protected from wind and direct sunlight.
- Do not apply during extremely hot, windy and rainy weather.

### CONSUMPTION

CERAMIC	TROWEL	CONSUMPTION
120 cm <sup>2</sup>	6x6x6 mm	4 kg/m <sup>2</sup> for single-sided application 5-6 kg/m <sup>2</sup> for double-sided application
120 cm <sup>2</sup> to 500 cm <sup>2</sup>	8x8x8 mm	5 kg/m <sup>2</sup> for single-sided application 6.5 kg/m <sup>2</sup> for double-sided application
500 cm <sup>2</sup> to 3600 cm <sup>2</sup>	10x10x10 mm	5.5 kg/m <sup>2</sup> for single-sided application 7-8 kg/m <sup>2</sup> for double-sided application