stomdevice

ELITE DENTAL STONES



EASE YOUR WORK

Dental stones for model preparation

Zhermack Dental

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Elite Dental Stones, ease your work



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Zhermack, sensitive to the needs of dental technicians, has designed a system of laboratory and impression materials that work in synergy in order to obtain accurate models.

ZHERMACK INTERNAL PRODUCTION

The **Elite** range of stones are entirely formulated and produced within Italy Zhermack's production facilities.
The full control of all productive processes, from the selection of raw materials to the realization of the finished products, and **years of experience in the formulation of stones**, guarantee high quality standards.

CONTINUOUS INNOVATION

Innovation is the inspiring principle of every Zhermack project.
New frontiers of scientific research and the collaboration with technicians have allowed Zhermack researchers to develop **unique**, **cutting edge products** like **Elite Master**. A stone that has exclusive characteristics including a resin filler which gives the finished product a **compact**, **marble-like finish**.

COMPLETE RANGE

The **Elite** range of dental stones is amongst the broadest on the market. For every application, there is a **vast selection of colours** and different packaging, as Zhermack stones are able to meet the **different requirements of a laboratory**.



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The classification

The **Elite** stones are compatible with different impression materials available on the market, including polyethers and hydrocolloids, and are formulated to obtain the best performance with Zhermack impression materials.
Dental stones produced by Zhermack are distinguished in type 3 and type 4.



type 3

The **type 3** stones are defined as **hard stones for models** and have an enhanced resistance to compression and abrasion.
These stones are used for **antagonist models**, **study models**, **articulators** and **flasking of dentures**.

type 4

The **type 4 stones** are defined as **extra hard stones for dies** characterized by **enhanced hardness** and **low expansion**.
They must have high resistance to compression and abrasion.
They are used mainly in the preparation of **dies for fixed prosthesis**, **chrome models**, and making **bases**.

TYPE 4

- **Master model**
  - **Fixed prosthesis**
    - **Model** → **Elite Master. Resin reinforced.** High elasticity and splintering resistance for optimal bevelling.
    - **Model** → **Elite Rock. Extra hard.** Reduced abrasion and higher precision of model.
    - **Base** → **Elite Base. Optimal fluidity.** Fluidity and perfect casting without vibration.
  - **Removable prosthesis** → **Elite Stone. Thermal shock resistant.** Improved compressive strength and resistance to thermal shock.







TYPE 3

- **Antagonist** → **Elite Model. Superior type 3.** Extreme versatility due to its superior characteristics.
- **Articulator** → **Elite Arti. Thixotropic.** Thixotropic to simplify the positioning of the articulator.
- **Orthodontic** → **Elite Ortho. Glossy white.** Glossy white after polishing. Optimal compressive strength.







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Elite Master

type 4

Type 4 extra hard resin reinforced dental die stone for fixed prosthesis and implantology.

The reference for master models.

APPLICATIONS

Production of **models** and **removable dies** in fixed prosthesis, removable prosthesis and implantology.







ADVANTAGES

- The resin particles inside the formulation provide high elasticity and splintering resistance for an optimal chamfering
- The resin particles reduce water absorption guaranteeing the accuracy of the model
- Operator safety due to a formaldehyde free formula
- Low expansion, even after 48 hours

Colours



Thanks to its special formulation that is optimized for **CAD/CAM** systems, the models in **desert sand**, **sandy brown and soft grey** colours are detected by the most common **laser and optical scanners**.

Technical data

Water/powder ratio	21 ml/100 g
Removal time	45 mins
Setting expansion 2 hrs	0.08 %
Compressive strength 48 hrs	75 MPa (765 kg/cm²)

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Elite Rock

type 4

Type 4 extra hard dental die stone for fixed prosthesis.

An ideal balance between thixotropy and fluidity.

APPLICATIONS

Production of **models** and **removable dies** in fixed and removable prosthesis.







ADVANTAGES

- Simplified mixing and balanced thixotropy for the realization of the model
- The high compressive strength guarantees reduced abrasion and higher precision of the model
- Low expansion, even after 48 hours

Colours

SANDY BROWN

CREAM

SILVER GREY

WHITE

CAD/CAM

Thanks to its special formulation that is optimized for **CAD/CAM** systems, the models in **silver grey** colour are detected by the most common **laser and optical scanners**.

Technical data

Water/powder ratio	20 ml/100 g
Removal time	45 mins
Setting expansion 2 hrs	0.08 %
Compressive strength 48 hrs	81 MPa (826 kg/cm²)

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Elite Rock Fast

type 4

Type 4 extra hard fast dental die stone for fixed prosthesis.

Precision and speed without compromise.

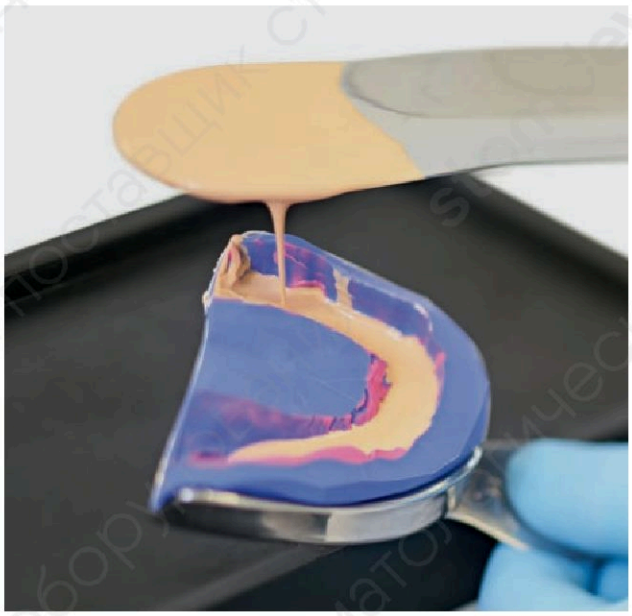
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APPLICATIONS

Faster production of **models** and **dies** for fixed and removable prosthesis.





ADVANTAGES

- Fast casting of the model in only 25 mins maintaining an adequate working time
- Simplified mixing and balanced thixotropy to facilitate the realization of the model
- The high compressive strength guarantees reduced abrasion and higher precision of the model
- Low expansion, even after 48 hours

Colours

SANDY BROWN

CREAM

Technical data

Water/powder ratio	20 ml/100 g
Removal time	25 mins
Setting expansion 2 hrs	0.08 %
Compressive strength 48 hrs	81 MPa (826 kg/cm²)

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Elite Stone

type 4

Type 4 dental die stone for models in removable prosthesis.

Pure resistance.

APPLICATIONS

Production of **models for chromes**, **removable prosthesis** and **antagonists**.







ADVANTAGES

- Thixotropic to make the model preparation easier
- Improved compressive strength and to thermal shock
- Low expansion, even after 48 hours

Colours

PINK | NAVY BLUE | BROWN | AQUA GREEN

Technical data

Water/powder ratio	25 ml/100 g
Removal time	45 mins
Setting expansion 2 hrs	0.08 %
Compressive strength 48 hrs	60 MPa (612 kg/cm^2)

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Elite Base

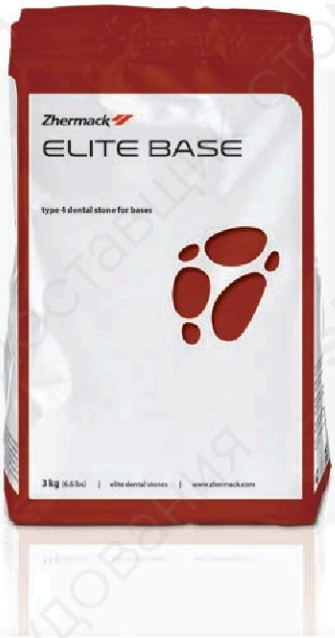
type 4

Type 4 dental stone for bases.

Optimal fluidity.

APPLICATIONS

Production of bases for **models** in the **removable die** technique.







ADVANTAGES

- Optimized expansion for combined use with type 4 stones for dies, in particular with Elite Rock, Elite Rock Fast, Elite Master
- Fluidity and perfect casting without vibration
- Optimal compressive strength for an unaltered positioning of the pins inside the base

Colours

TERRACOTTA RED

ROYAL BLUE

GREY

Technical data

Water/powder ratio	23 ml/100 g
VICAT Setting time	18 mins
Setting expansion 2 hrs	0.05 %
Compressive strength 48 hrs	83 MPa (846 kg/cm²)

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Elite Model

type 3

Type 3 dental stone for antagonists and models in general.

Thixotropic if needed.

APPLICATIONS

Production of **models in general**, **antagonists** and **flasking of removable prosthesis**.







ADVANTAGES

- Thixotropic to make the model preparation easier
- Optimal compressive strength
- Extreme versatility due to its superior characteristics compared to other stones of the same class

Colours

STEEL BLUE

IVORY

Technical data

Water/powder ratio	30 ml/100 g
Removal time	45 mins
Setting expansion 2 hrs	0.04 %
Compressive strength 48 hrs	62 MPa (632 kg/cm²)

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Elite Model Fast



type 3

Type 3 fast dental stone for antagonists and models in general.

The stone for antagonists with the ideal setting time.

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APPLICATIONS

Quick production of **general models**, **antagonists and flasking of removable prosthesis**.





ADVANTAGES

- Fast casting of the model in only 15 mins maintaining an adequate working time
- Thixotropic to make the model preparation easier
- Optimal compressive strenght
- Extreme versatility due to its superior characteristics compared to other stones of the same class

Colours

SKY BLUE

LIGHT CREAM

WHITE

Technical data

Water/powder ratio	30 ml/100 g
Removal time	15 mins
Setting expansion 2 hrs	0.1 %
Compressive strength 48 hrs	65 MPa (662 kg/cm²)

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Elite Arti

type 3

Type 3 articulating dental stone.

Total adhesion.

APPLICATIONS

Mounting of **models for articulation**.







ADVANTAGES

- Perfect adhesion to the most common dental stones, in particular to Elite Base, Elite Model and Elite Stone
- Minimal expansion to maintain the occlusion unaltered
- Thixotropic to simplify the positioning of the articulator

Colours

WHITE

Technical data

Water/powder ratio	30 ml/100 g
VICAT Setting time	5 mins
Setting expansion 2 hrs	0.02 %
Compressive strength 48 hrs	59 MPa (602 kg/cm²)

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Elite Arti Fast



type 3

Type 3 articulating dental stone.

Maximum adhesion and fast setting.

APPLICATIONS

Fast mounting of **models for articulation**.





ADVANTAGES

- Fast setting of models in articulators in only 3 mins
- Perfect adhesion to the most common dental stones, in particular to Elite Base, Elite Model and Elite Stone
- Minimal expansion to maintain the occlusion unaltered
- Thixotropic to simplify the positioning of the articulator

Colours

WHITE

Technical data

Water/powder ratio	30 ml/100 g
VICAT Setting time	3 mins
Setting expansion 2 hrs	0.02 %
Compressive strength 48 hrs	59 MPa (602 kg/cm²)

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Elite Ortho

type 3

Type 3 stone for orthodontic models.

The shine of whiteness.

APPLICATIONS

Production of **models** for **orthodontics** and **antagonists**.







ADVANTAGES

- Whiteness with a glossy effect after polishing
- Thixotropic to make the model preparation easier
- Optimal compressive strength

Colours

WHITE

Technical data

Water/powder ratio	24 ml/100 g
Removal time	45 mins
Setting expansion 2 hrs	0.04 %
Compressive strength 48 hrs	60 MPa (612 kg/cm^2)

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Packaging

	200 g	1 kg	3 kg	25 kg carton	25 kg drum
Elite Master					
Desert Sand	C410400	-	C410402	C410403	C410404
Sandy Brown	-	-	C410410	C410411	C410412
Soft Grey	-	-	C410406	-	-
Elite Rock					
Sandy Brown	C410033	C410032	C410030	C410200	C410334
Cream	-	-	C410020	C410201	C410332
Silver Grey	-	-	C410010	C410202	C410330
White	-	-	C410000	C410204	C410336
Elite Rock Fast					
Sandy Brown	C410152	C410151	C410150	C410205	-
Cream	-	-	C410160	C410207	-
Elite Base					
Terracotta Red	-	-	C410448	C410446	C410447
Royal Blue	-	-	C410437	C410435	C410436
Grey	-	-	C410440	-	C410439
Elite Stone					
Pink	-	-	C410048	C410214	C410315
Navy Blue	-	-	C410050	-	C410310
Brown	-	-	C410040	C410211	C410312
Aqua Green	-	-	C410043	-	C410313
Elite Model					
Steel Blue	-	C410071	C410070	C410221	-
Ivory	-	C410081	C410080	C410220	C410304
Elite Model Fast					
Sky Blue	-	-	C410065	C410224	C410306
Light Cream	C410069	-	C410067	C410226	C410308
White	-	C410064	C410063	C410228	C410309
Elite Arti					
White	-	-	C410100	C410240	C410350
Elite Arti Fast					
White	C410107	-	C410105	C410241	C410351
Elite Ortho					
White	C410092	C410091	C410090	C410230	C410320

Accessories

C300992



Rubber mixing bowl

C300991



Green spatula (x1)

XR0250840



Water bottle with graduated measuring cup

C400441



Gypstray container 3 l

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Fulfilling your needs

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