گچ میکرونیزه صفوی زاده
Safavizadeh Micronized Gypsum

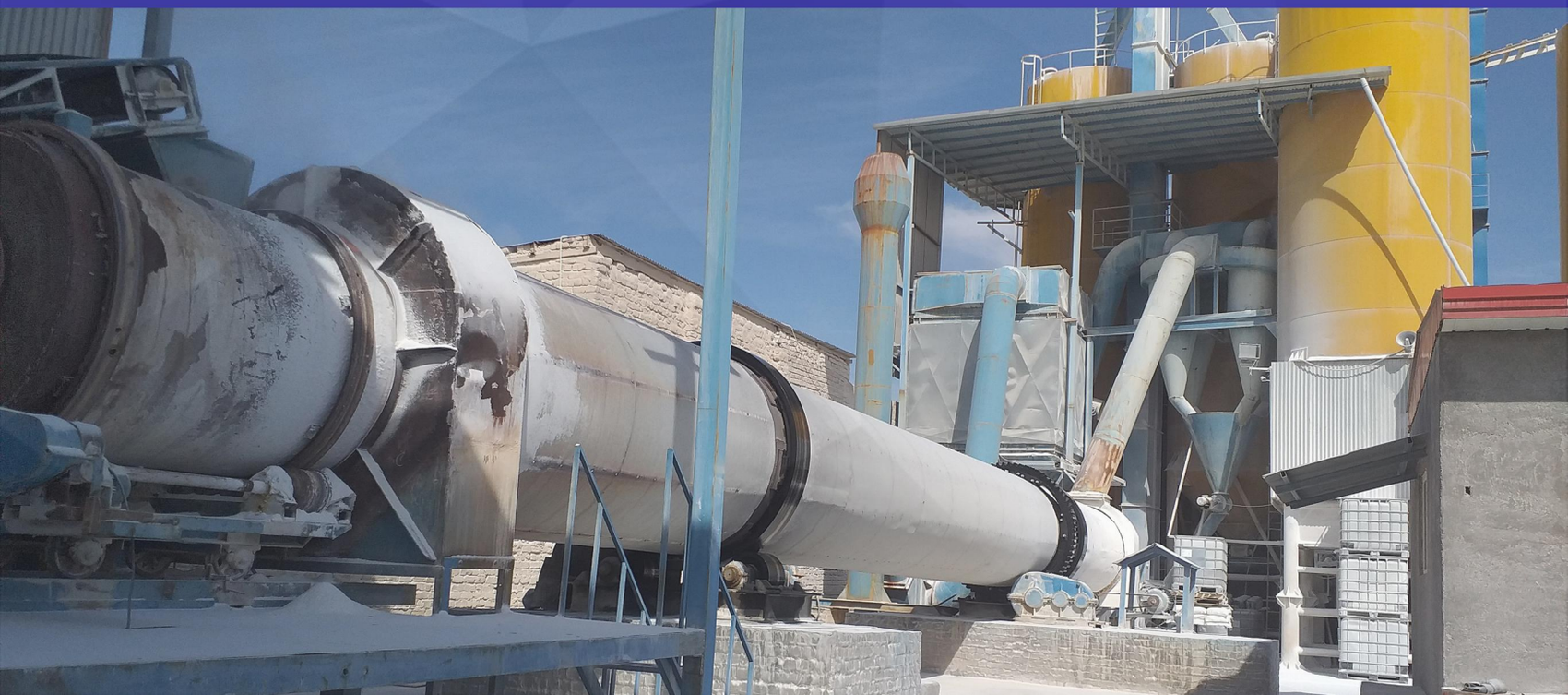
Safavizadeh Plaster Complex
General Catalogue

SGPSM.com

گچ میکرونیزه صفوی زاده

Safavizadeh Micronized Gypsum

The Biggest producer of Alpha plaster in the world by capacity of 100 thousand tons per year and, in accordance with ISO 14001-18001-9001 and Iran national standard ISIR17773133978.



Alpha Plaster

No	Description	Unit	
1	Water to gypsum ratio	Percent	30%
2	Volumetric mass	Grams per cubic centimeter	1.8
3	pushing resistance	Mega Pascal	58
4	Bending strength	Mega Pascal	17
5	Percentage of volumetric water absorption	Percent	7%
6	Flow	Centimeter	18
7	Initial set time	Minute	9
8	Second set time	Minute	15
9	Final set time	Minute	35
10	Whiteness	Percent	89

Beta Plaster

200 mesh

No	Description	Unit	
1	pushing resistance	Mega Pascal	21
2	Bending strength	Mega Pascal	7
3	Flow	Centimeter	18
4	Initial set time	Minute	8
5	Second set time	Minute	15
6	Whiteness	Percent	89-90

Micronized Plaster

200 mesh

No	Description	Unit	
1	Flow	Centimeter	14
2	Initial set time	Minute	6
3	Second set time	Minute	10
4	Whiteness	Percent	92

Tia Dent®

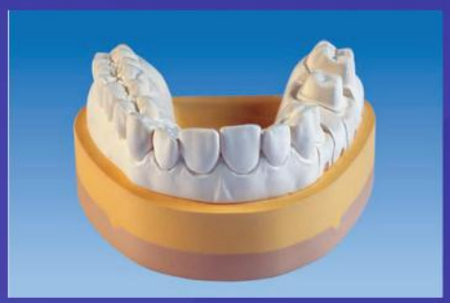
Tia Dent

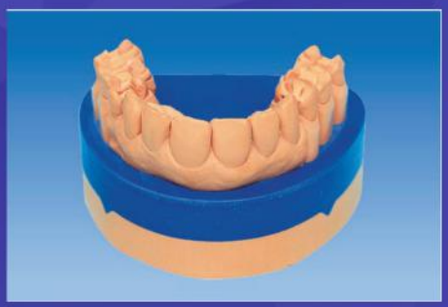
Special dental arch stone

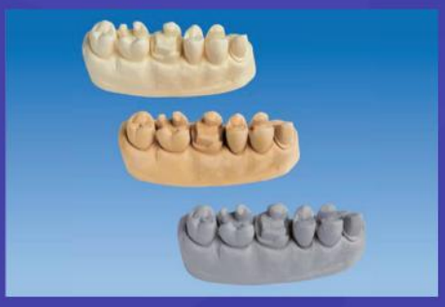
Type 4 according to DIN EN ISO 6873

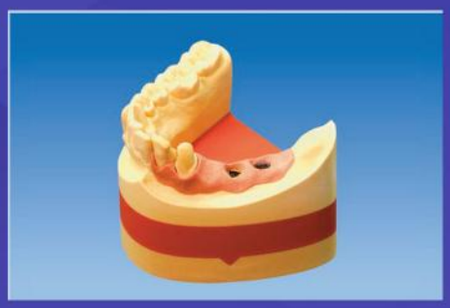
Discover the new dentale arch stone with fascinating properties.
For extremely fine processing - with maximum hardness as a result.

Mixing ratio for 100 g powder:	**20 - 25** ml distilled water
Working time:	**6 - 7** minutes
End of setting:	approx. 35-40 minutes
Hardness after 24 h:	approx. 330 MPa (N/mm^2)
Compression strength:	approx. 70 MPa (N/mm^2)
Expansion acc. to DIN EN (2 h):	< 0.08 %









Safavigypsum.ir/tiadent

Fireproof Gypsum for alloy metals high-precision casting

Heat resistance up to 1100 degrees (600 degrees to 1100 degrees)

with high precision and a minimum expansion coefficient of less %than 2
This product offers you a completely smooth and polished surface at the end of casting due to its nanometer grains.
How to use:

- Water ratio 38% (1 kg of material + 380 grams of water)
- Weigh the powder and water and mix them at 500-600 rpm for 3 minutes.
- Vibration and vacuum time 1 minute
- Your mortar is ready for casting and it will give you up to 9 minutes
- Initial setting of 10 minutes
- Secondary setting 25 minutes
- Final time 55 minutes

The color of the product is creamy white with a grain size from 120 mesh to nanometric

Special plasters for

Ceramic industries, Sanitary porcelain and Container porcelain

Gypsum for porcelain industries

This gypsum is used in porcelain factories to make flat and hollow molds, regular and circular, by press method, which has high strength and relatively low water absorption.
The composition percentage of water is 66 to 100 gypsum
Fluidity 19 cm
Initial take time 10-12 minutes
To obtain the standard quality, the combination of water and plaster must be weighed.

Plaster for mold reproduction in Porcelain container industries

This plaster is used for casting in porcelain factories, which has good strength and high water absorption
The percentage of water composition is 74 to 100 gypsum
Fluidity 22-23 cm
Initial setting 12-13 minutes
To obtain the standard quality, the combination of water and plaster must be weighed.

Plaster for mold reproduction in sanitary porcelain industries

This plaster is used in sanitary porcelain factories, which has good strength, high water absorption and high setting time
The composition percentage of water is 72 to 100 gypsum
Fluidity 24 cm
Initial capture 13-15
To obtain the standard quality, the combination of water and plaster must be weighed.

Alpha plaster for the production of master molds for the sanitary porcelain industry and container porcelain industry

The percentage of water composition is 30 to 100 gypsum
Fluidity 21-23 cm
The initial setting is 15 to 17 minutes
17 MPa bending strength
%water absorption 7
Expansion coefficient 0.2
White / red color
To obtain the standard quality, the combination of water and plaster must be weighed.