



**KALABHAI**  
*partnering perfection since 1918*

**100**  
YEARS & COUNTING  
1918-2018



**2025 Catalogue**  
Dental Plasters and Stones



# WORLD CLASS DENTAL PLASTERS

Now shipped from the EU.  
Made with pride in India

In order to better meet the needs of the European market, we offer our plasters stocked and shipped directly from the EU.

Our fully owned subsidiary, Kalabhai GmbH located ideally in central Germany, takes care of shipping, clearing and warehousing for you. This allows you to order quantities that best suit your needs delivered to your doorstep within a few days, all across the European Union!



# DEFINING MOMENTS

1930

Plaster of Paris Manufacturing Plaster work for several corporate buildings, cinema halls, theatres, five-star hotels and palaces.

1980

First and only plaster to be marked with ISI (Indian Standards Institute)

Completion of landmark project NCPA in Mumbai. Plaster of Paris ceiling and acoustical treatment materials, fabrication and installation.

1995

First Indian company to participate at the world's largest dental show in Cologne, Germany.

2007

First plaster manufacturer to be certified ISO 14001.

2014

Foundation of European subsidiary in Germany.

2018

Kalabhai celebrates 100 years of excellence.

From our humble beginnings in 1918, Kalabhai has been driven by a single mission—delivering unmatched value to our customers.

Whether by crafting stunning interiors or pioneering breakthroughs in plaster manufacturing, our century-long legacy is built on quality, innovation, and the trust of thousands of satisfied customers worldwide.



# MADE IN INDIA FOR THE WORLD

Trusted by users  
in over 35 countries,  
with relationships  
lasting for decades.

.At Kalabhai, we understand that every market is different. We believe in the power of long-term relationships, uphold these with internationally recognized quality and strive to find the best product solutions for our global partners.





# COMPLETE IN-HOUSE PROCESS

Core competence in plaster manufacture is one of our key strengths. Our processes begin with the careful selection of raw material, with quality assurance in place at every step of production. This ensures that we maintain total control over quality parameters, resulting in consistent and dependable performance over time.



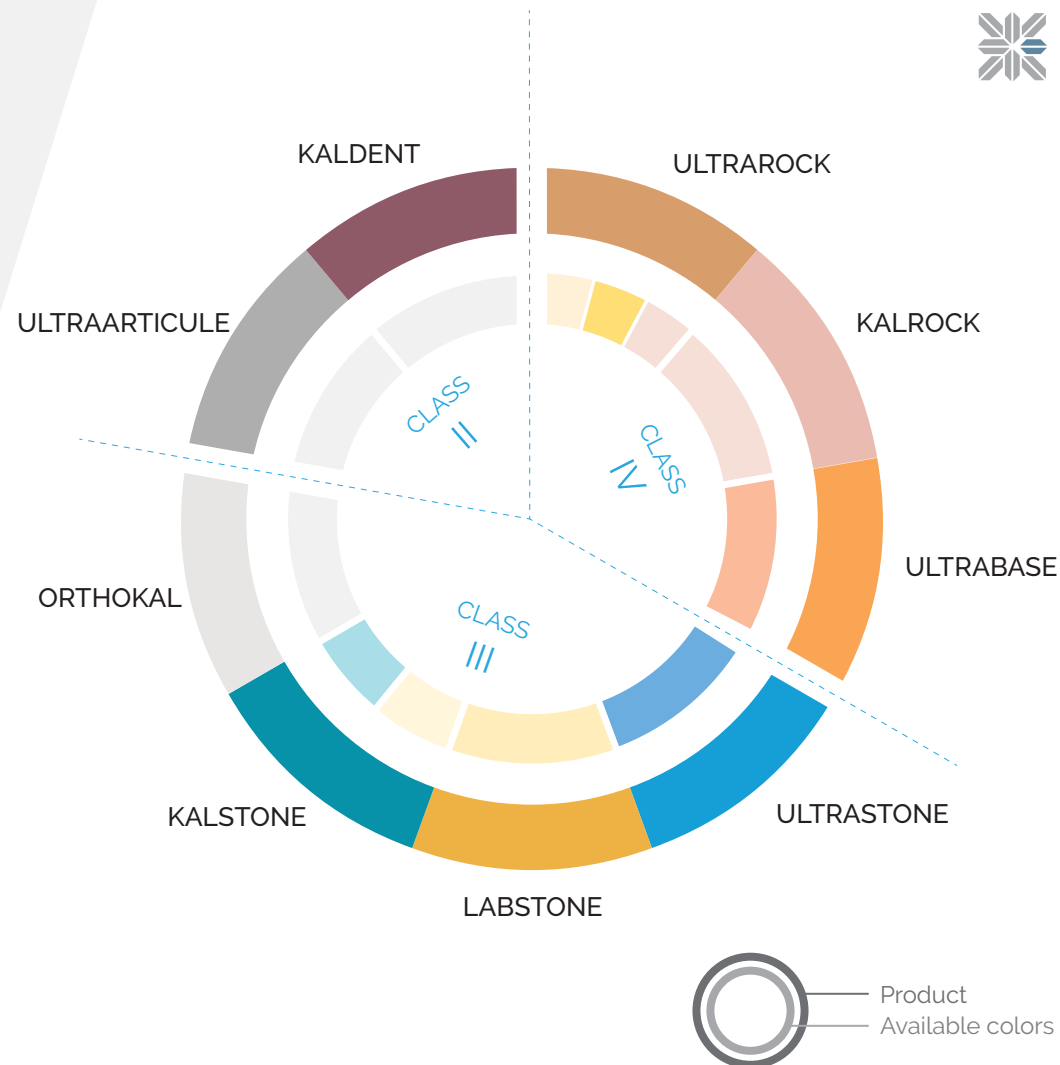


# OUR PLASTERS

Your needs extend beyond one type of plaster. Kalabhai strives to meet user needs at all times, offering a complete assortment of **high-quality, 100% natural stone plasters** across all classes, in a spectacular range of colours.

## Understanding Dental Plaster Specifications

Type	Classes (ISO 6873), defining strength and precision.
Water / Plaster Ratio	Amount of water needed for 100g of plaster.
Soaking Time (Waiting Time)	Time after adding powder to water, before mixing.
Mixing Time (Mechanical)	Time required when using a mechanical/vacuum mixer.
Mixing Time (Manual)	Time required when mixing by hand with a spatula.
Working Time	Time during which the mixture is soft and can be poured.
Setting Time	Time for the mixture to become firm but not fully hard.
Hardening Time	Time needed to become strong enough for handling
Setting Expansion	How much the material expands after it sets.
Compressive Strength	
After 1 hr	How strong the material is after 1 hour.
After 24 hr	Maximum strength after full hardening.



# Ultra Hard Class IV Die Stone

Our finest, for all types of prosthesis and master models.

- Excellent chip resistance and dimensional stability
- High definition of details, optimized for scanning
- Superior hardness and very low expansion

## Physical Properties

### Type

Water / Plaster Ratio

Soaking Time

Mixing Time (Mechanical)

Mixing Time (Manual)

Working Time

Setting Time

Hardening Time

Setting Expansion

### Class IV

20 ml / 100 g

30 seconds

30 seconds

45 seconds

6 minutes

6-8 minutes

30 minutes

0.08% max

## Compressive Strength

After 1 hr

550 kg / cm<sup>2</sup>

After 24 hr

900 kg / cm<sup>2</sup>

## Packaging Information

3 kg Multilayer Laminated Bag

25 kg Paper Carton

CLASS  
IV



# ULTRAROCK



Beige



Golden Yellow



Sahara Beige



Pink



# Extra Hard Class IV Die Stone

For all types of prosthesis – fixed, stumps or removable.

- Good stacking properties
- Good dimensional stability.
- Compatible with all impression materials.

## Physical Properties

Type	Class IV
Water / Powder Ratio	23 ml / 100 g
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	5 minutes
Setting Time	6-8 minutes
Hardening Time	30 minutes
Setting Expansion	0.10%

## Compressive Strength

After 1 hr	400 kg / cm <sup>2</sup>
After 24 hr	800 kg / cm <sup>2</sup>

## Packaging Information

3 kg	Multilayer Laminated Bag
25 kg	Paper Carton

CLASS  
IV



# KALROCK



Pink







# Extra Fluid Class IV Base Stone

For base pouring and preparation of die cut models.

- Excellent fluidity and extremely low expansion.
- Can be poured in fluid condition at specified water/powder ratio.
- Good contrast for aesthetically attractive models.

## Physical Properties

Type	Class IV
Water / Plaster Ratio	23 ml / 100 g
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	5 minutes
Setting Time	8 - 10 minutes
Hardening Time	40 minutes
Setting Expansion	0.05% max

## Compressive Strength

After 1 hr	400 kg / cm <sup>2</sup>
After 24 hr	800 kg / cm <sup>2</sup>

## Packaging Information

3 kg	Multilayer Laminated Bag
25 kg	Paper Carton

CLASS  
IV

# ULTRABASE



Orange



# Extra Hard Class III Dental Stone

For fixed, stumps or bases in fixed and Co-Cr models.

- Excellent chip resistance
- High definition of details
- Compatible with all types of impression materials

## Physical Properties

Type	Class III
Water / Plaster Ratio	28 ml / 100 g
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	5 minutes
Setting Time	6-8 minutes
Hardening Time	30 minutes
Setting Expansion	0.20%

## Compressive Strength

After 1 hr	350 kg / cm <sup>2</sup>
After 24 hr	700 kg / cm <sup>2</sup>

## Packaging Information

3 kg	Multilayer Laminated Bag
25 kg	Paper Carton

CLASS  
III

# ULTRASTONE



Azure Blue



# All-Rounder Class III Dental Stone

For acrylic occluding models and bases.

- Good fluidity
- Adequate working and setting time
- Low expansion

## Physical Properties

### Type

Water / Powder Ratio	Class III 30 ml / 100 g
Soaking Time	15 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	5 minutes
Setting Time	5 - 7 minutes
Hardening Time	30 minutes
Setting Expansion	0.25%

## Compressive Strength

After 1 hr	250 kg / cm <sup>2</sup>
After 24 hr	600 kg / cm <sup>2</sup>

## Packaging Information

3 kg	Multilayer Laminated Bag
25 kg	Paper Sack

CLASS  
III



# KALSTONE



Green



Fresh Yellow



# General Purpose Class III Laboratory Stone

Best-in-class value for general purpose work.

- Adequate working time
- For applications with longer setting time
- Low expansion

## Physical Properties

### Type

	Class III
Water / Powder Ratio	34 ml / 100 g
Soaking Time	15 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	5 minutes
Setting Time	7 - 10 minutes
Hardening Time	30 minutes
Setting Expansion	0.15%

## Compressive Strength

After 1 hr	220 kg / cm <sup>2</sup>
After 24 hr	500 kg / cm <sup>2</sup>

## Packaging Information

3 kg	Multilayer Laminated Bag
25 kg	Paper Sack

CLASS  
III

# LABSTONE



Bright Yellow



# Brilliant White Class III Orthodontic Stone

Designed for orthodontic study models with extreme whiteness.

- Excellent surface and brilliant details.
- Adequate working time.
- Good dimensional stability.

## Physical Properties

Type	Class III
Water / Powder Ratio	28 ml / 100 g
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	5 minutes
Setting Time	6-8 minutes
Hardening Time	30 minutes
Setting Expansion	0.20%

## Compressive Strength

After 1 hr	350 kg / cm <sup>2</sup>
After 24 hr	700 kg / cm <sup>2</sup>

## Packaging Information

3 kg	Multilayer Laminated Bag
25 kg	Paper Carton

CLASS  
III



# ORTHOKAL



White ☐

# Class III Advanced Mounting Plaster

For Articulator Mounting and optimized for mounting models with improved thixotropy (stacking).

- Extreme whiteness
- Ultra low expansion
- Higher compressive strength than Class II

## Physical Properties

Type	Class III
Water / Plaster Ratio	30 ml / 100 g
Mixing Time (Mechanical)	15 seconds
Mixing Time (Manual)	30 seconds
Working Time	2 minutes
Setting Time	3 - 4 minutes
Setting Expansion	0.05% max

## Compressive Strength

After 1 hr	250 kg / cm <sup>2</sup>
After 24 hr	575 kg / cm <sup>2</sup>

## Packaging Information

3 kg Multilayer Laminated Bag  
25 kg Paper Carton

CLASS  
III

# ULTRAARTICULE2



White ☐

# General Purpose Class II Dental Plaster

For general applications

- Good whiteness
- Creamy consistency
- Low expansion

## Physical Properties

### Type

Water / Powder Ratio	Class II 58 ml / 100 g
Soaking Time	15 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	45 seconds
Working Time	3 minutes
Setting Time	5-7 minutes
Hardening Time	30 minutes
Setting Expansion	0.10%

## Compressive Strength

After 1 hr	80 kg / cm <sup>2</sup>
After 24 hr	200 kg / cm <sup>2</sup>

## Packaging Information

3 kg Multilayer Laminated Bag  
25 kg Paper Sack

CLASS  
II



# KALDENT



White ☐



# QUALITY

Since 1918, Kalabhai has been committed to delivering quality you can trust.

Every step of our manufacturing process undergoes rigorous control to ensure reliability, consistency and customer success and satisfaction.

With dual ISO 9001 and ISO 13485 certifications, we remain dedicated to continuous improvement while actively working to reduce our environmental impact.







**KALABHAI**  
partnering perfection since 1918



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