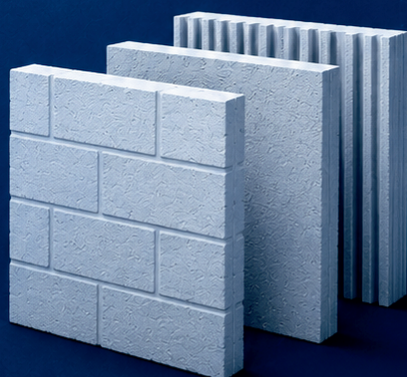




NEXGEN
CHEMICALS INC.



FixGen™

Walling Solutions



Durable and
easy to apply



Water-resistant
after curing



High bond
strength



Low VOC &
Eco-Friendly

About NexGen

FixGen™ is a professionally developed range of construction chemicals designed to deliver consistent quality, reliable performance and long-term durability. Our products are manufactured using advanced formulations, premium raw materials and stringent quality control systems to meet the requirements of modern construction.



Manufacturing Excellence



Dealer Support



Quality Assurance



ISO 9001:2015 Certified



Technical Support



Modern Manufacturing

Product Selection Guide

Application / Substrate	Recommended Product
AAC block / fly ash brick / concrete block laying (joints)	FixGen BJM
Internal & external wall plastering (brick / block / concrete)	FixGen RMP
Undercoat levelling on plaster or smooth concrete	FixGen Base Coat
Interior decorative finish before painting	FixGen Silky Finish
Exterior finish requiring waterproofing	FixGen Lotus Putty
Non-structural crack repair / pinhole filling	FixGen CF
Machine base plates, bearings, precision / pressure grouting	FixGen GP2

FixGen™ BJM

AAC Block Joint Mortar

Conforms to: IS 15477:2019
Type BJM

AREAS OF APPLICATION

- Autoclaved Aerated Concrete (AAC) Blocks
- Fly Ash Bricks
- Hollow Concrete Blocks
- Lightweight Concrete Blocks
- Precast Concrete Panels and Slabs
- Concrete Window and Door Frames

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Grey Powder
Mixed Density	1.65 ± 0.05 Kg/L
Mixing Ratio	Approx. 25–30% water by weight
Pot Life @ 25°C	1.5–2 Hours
Open Time (IS 15477:2019)	25 ± 5 Minutes
Compressive Strength	>0.65 MPa
Tensile Adhesion Strength (as per ASTM - C1660)	>0.40 MPa
Time of Plaster	Applied after 24 hours
Regular Traffic	14 Days

APPROXIMATE COVERAGE

170–180 sq.ft. per 40 kg bag at 3 mm bedding thickness.

Size: 250 mm–width blocks L x H x W	FixGen BJM Coverage in Kg/Block	Size: 200 mm–width blocks L x H x W	FixGen BJM Coverage in Kg/Block
650 x 250 x 75	0.35	650 x 200 x 75	0.32
650 x 250 x 100	0.45	650 x 200 x 100	0.43
650 x 250 x 125	0.60	650 x 200 x 125	0.55
650 x 250 x 150	0.70	650 x 200 x 150	0.65
650 x 250 x 200	0.95	650 x 200 x 200	0.86
650 x 250 x 225	1.05	650 x 200 x 225	0.97

Actual consumption may vary depending on block dimensions, joint thickness and site conditions.

FEATURES & BENEFITS



Ready-to-use premixed mortar



Requires only addition of clean water



Thin bed application of 2–3 mm



Excellent bond strength and water retention



Reduced material consumption compared with conventional mortar



Faster construction and improved productivity



Minimal wastage and cleaner worksite



No curing required under normal conditions



Improved thermal insulation properties



Enhanced masonry strength and durability

FixGen™ RMP

Polymer Modified Ready Mix Plaster

Conforms to: ISO 9001:2015

AREAS OF APPLICATION

- Internal and external wall plastering
- Brick masonry
- AAC block masonry
- Concrete block walls
- Cement block walls
- Patch repairs
- Ceiling plastering
- Renovation and refurbishment work

TECHNICAL SPECIFICATIONS

Properties	Standard & Requirements	Typical Value
Colour		Grey Powder
Specific Gravity at 30° C	ASTM C948	1.6 ± 0.05 g/ml
Water Powder ratio		16.5 ± 1%
Pot Life	Minimum 40 Minutes	≥40 min
Compressive strength	ASTM C 109	5 ± 0.5 N/mm ²
Soundness %	IS 4031	>0.04%
Setting Time	IS 4031	5 Hours

APPROXIMATE COVERAGE

Available in 2 grades base plaster for 1st Coat & Fine plaster for fine 2nd Coat

Base Plaster (First Coat)

Approx. 13–15 sq.ft./30 Kg bag at 10–12 mm thickness.

Fine Plaster (Finish Coat)

Approx. 35–45 sq.ft./30 Kg bag at 4–6 mm thickness.

FEATURES & BENEFITS



Polymer-modified for superior adhesion.



Excellent workability and easy application.



Reduces rebound and material wastage.



Low shrinkage and crack resistance.



Smooth and uniform finish.



Suitable for manual application.



Reduces curing period compared with conventional cement plaster.



Durable and long-lasting performance.



Suitable for internal and external applications.



FixGen™ Base Coat

Polymer Modified Coarse Wall Putty

AREAS OF APPLICATION

- Concrete surfaces
- Cement plaster surfaces
- Internal and external walls
- Ceilings
- Smooth RCC surfaces
- Surface leveling applications
- Heritage building repair and renovation

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Off White Powder
Mixing Water Requirement	4.5–5.5 litres per 20 kg bag
Mixed Density	Approx. 1.75 Kg/L
Pot Life @ 30°C	Approx. 90 Minutes
Application Thickness	3–6 mm (Two coats)
Recoating Interval	6–8 Hours
Time Before Sanding / Finishing	3 Days

APPROXIMATE COVERAGE

Approximately 40–50 sq.ft. per 20 kg bag at 3 mm thickness.

Actual coverage may vary depending on substrate condition, surface roughness and application thickness.

FEATURES & BENEFITS



Suitable as undercoat over plaster and direct application on concrete surfaces



Excellent adhesion to substrates



Reduces water absorption and minimizes cracking



Smooth matt finish



Durable and easy to apply



No curing required under normal conditions



Suitable for interior and exterior walls and ceilings



Available in off-white finish



Economical alternative to conventional plaster



FixGen™ Silky Finish

White Cement & Polymer Based
Wall Putty

AREAS OF APPLICATION

- Interior and exterior cement oplaster surfaces
- Concrete surfaces
- Brick, stone and block masonry
- Ceilings
- Residential, commercial and institutional buildings
- Renovation and heritage restoration projects

TECHNICAL SPECIFICATIONS

Properties	Standard & Requirements	Typical Value
Whiteness	IS: 8042–1989	>90
240 mesh Residue, %	Internal	0.90%
Specific Gravity at 30°C	ASTM C948	1.70 ± 0.05 Kg/L
Water Demand %	IS:4031(Part4)1988	35 to 40 %
Pot Life	Internal	≥ 90 min
Compressive Strength	ASTM C349	8 ± 0.5 N/mm ²
Flexural Strength	ASTM C348	3 N/mm ²
Tensile Strength	ASTM D4541	1.0 ± 0.05 N/mm ²
Hydrophobic effect		Slightly
Chalk Resistance	Internal	No Chalking

APPROXIMATE COVERAGE

Approx. 500–560 sq.ft. per 40 kg bag for two coats at a total thickness of 1.5–2.5 mm.

Actual coverage may vary depending upon substrate condition, surface roughness and application thickness.

FEATURES & BENEFITS



No Primer Required on
Most Cementitious
Surfaces



Ideal for Interior &
Exterior Surfaces



Excellent Water
Resistance



No Curing Required
After Application



Easy to Apply & Reduces
Paint Consumption



Provides Smooth &
Superior Paint Finish



Excellent Adhesion
and Crack Resistance



Smooth Matt Finish with
Excellent Durability



Resists Algae and
Fungal Growth



FixGen™ Lotus Putty

Hydrophobic Waterproof Wall Putty

AREAS OF APPLICATION

- Interior and exterior cement plaster surfaces
- Concrete surfaces
- Brick, stone and block masonry
- Ceilings
- Residential, commercial and institutional buildings
- Heritage restoration and renovation projects

TECHNICAL SPECIFICATIONS

Properties	Standard & Requirements	Typical Value
Whiteness	IS: 8042-1989	>90
240 mesh Residue, %	Internal	0.90%
Specific Gravity at 30°C	ASTM C948	1.70 ± 0.05 Kg/L
Water Demand %	IS:4031(Part4)1988	35 to 40 %
Pot Life	Internal	≥ 90 min
Compressive Strength	ASTM C349	8.5 ± 0.5 N/mm ²
Flexural Strength	ASTM C348	3.2 N/mm ²
Tensile Strength	ASTM D4541	1.10 ± 0.05 N/mm ²
Water Capillary Absorption	ASTM C1794	≤1.0 ml after 6 hours at 30°C
Hydrophobic effect		High
Chalk Resistance	Internal	No Chalking

APPROXIMATE COVERAGE

Approximate coverage is 500-560 sq.ft. per 40 kg bag for two coats at a total thickness of 1.5-2.5 mm. Actual coverage may vary depending upon substrate condition, surface roughness and application thickness.

FEATURES & BENEFITS



Suitable for interior and exterior applications



Excellent water resistance and water repellency



Hydrophobic lotus effect for enhanced surface protection



No curing required under normal conditions



Reduces paint consumption



Provides smooth and superior paint finish



Easy to apply and economical to use



Excellent pinhole filling and surface levelling properties



Superior resistance to efflorescence



Resists growth of algae and fungi



Excellent adhesion and crack resistance



FixGen™ CF

Crack Filler Powder

AREAS OF APPLICATION

- Filling of non-structural cracks up to 10 mm width
- Internal and external plaster surfaces
- Cement mortar surfaces
- Masonry walls and ceilings
- Repair of pinholes and surface imperfections
- Surface preparation before painting

TECHNICAL SPECIFICATIONS

Properties	Standard & Requirements	Typical Value
Colour		Off White Powder
Specific Gravity at 30°C	ASTM C948	1.70 ± 0.10 Kg/L
Tensile Strength	ASTM D4541	>3 N/mm ²
Compressive Strength	ASTM C349	>20 N/mm ²
Pot Life	Internal	40 ± 5 min
Tack Free Time	Internal	20 ± 5 min
Water Demand %	IS 4031 (Part 4)	25 ± 2

APPROXIMATE COVERAGE

Approximate coverage is 60 running feet per kg for cracks having a width and depth of 5 mm. Actual coverage may vary depending upon crack dimensions and substrate condition.

FEATURES & BENEFITS



Excellent adhesion to cementitious substrates



Good flexibility and crack bridging properties



Fibre reinforced for enhanced durability



Non-shrink and high strength



Good water resistance



Easy to apply with excellent anti-sag properties



Smooth finish suitable for painting



Suitable for interior and exterior applications



Non-toxic and user friendly

FixGen™ GP2

Cementitious Non-Shrink
Precision Grout

AREAS OF APPLICATION

- Precision grouting of machine base plates
- Bridge bearings and structural supports
- Anchoring of reinforcing bars and bolts
- Filling of rigid joints in precast concrete structures
- Underpinning and structural strengthening
- Pressure grouting applications
- Concrete repair and rehabilitation works

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Free flowing grey powder
Mixed Density	1.60 ± 0.05 Kg/ L
Mixing Ratio	100:16
Pot life @ 30°C	Min. 30 minutes
Sag Resistance	No-Sag
Application Temperature	From +10°C to +35°C
Performance Properties	-
Tensile Strength after 28 days	>3.5 N/mm ²
Flexural Strength after 28 days	>10 N/mm ²
Pull-off Bond Strength after 28 days	≤17 N/mm ²

Type of Mixing	Compressive Strength N/mm ²			
	1 day	3 day	7 day	28 day
Flowable (W/P: 0.16)	≥25	≥45	≥ 55	≥65
Pourable (W/P: 0.18)	≥27	≥54	≥ 58	≥72
With 100% Aggregate	≥30	≥56	≥ 67	≥80
With 75% Aggregate	≥28	≥52	≥ 62	≥74
With 50% Aggregate	≥27	≥50	≥ 60	≥ 71

PERFORMANCE STANDARDS

Standards	Classification
ASTM C1107	Non-Shrink Cementitious Grout

FEATURES & BENEFITS



Ready-to-use formulation
requiring only the
addition of water.



Controlled expansion to ensure
positive surface contact and
low water permeability.



Rapid strength development
for early loading and
reinstatement.



High Ultimate Strength
and Low Permeability.



Chloride and iron free,
hence no rusting or
staining on exposed edges.



Excellent Flowability
and Self-Levelling Characteristics



Low VOC Content

Why Choose FixGen™



Advanced Polymer Technology



EN 12004 Compliant Products



Consistent Quality



Superior Bond Strength



Easy Workability



Technical Support



Wide Product Portfolio



Manufacturing Excellence

DISCLAIMER

The information contained in this Technical Datasheet is provided in good faith based on laboratory testing, practical experience, and current knowledge of the product.

Actual performance may vary depending on: Site conditions | Substrate quality | Material selection | Storage conditions | Application methods | Workmanship

Users are advised to carry out suitability trials prior to full-scale application.

The company's liability, if any, is limited to replacement of defective material and does not include consequential or indirect damages arising from product application or usage conditions beyond company control.



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Strength Through Chemistry

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ISO 9001 BIS Compliant