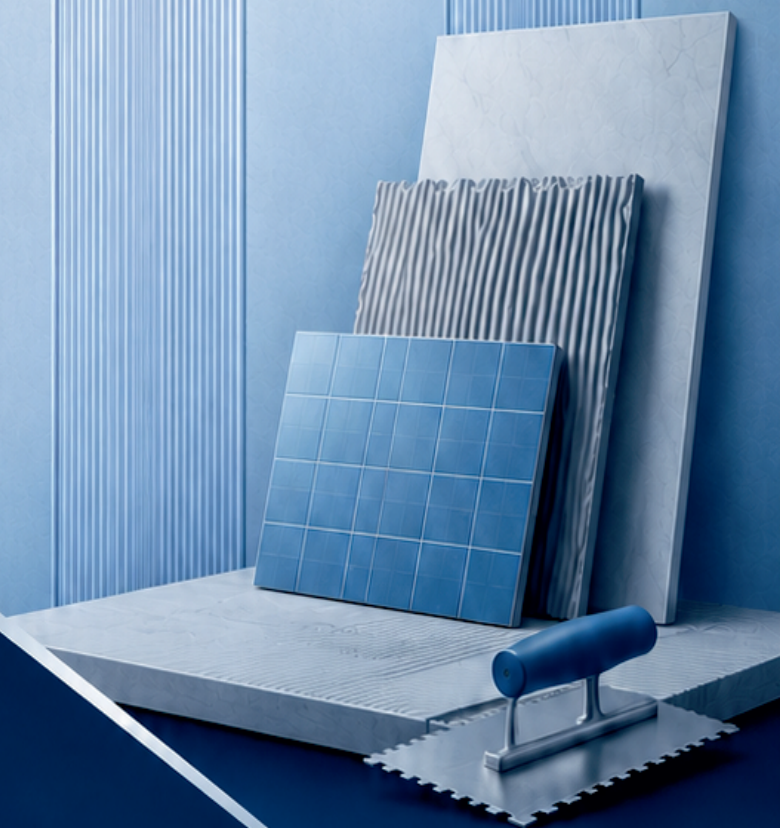




NEXGEN
CHEMICALS INC.

FixGen™

Tile Adhesives & Grouts



Excellent bond
strength for wall and
floor applications



Water-resistant
after curing



High bond strength
for wall and
floor applications



Low shrinkage
characteristics

About NexGen

NexGen Chemicals Inc. is focused on manufacturing construction chemicals and dry-mix products designed for modern building requirements. We are committed to delivering reliable and performance-oriented solutions aligned with Indian construction site conditions and evolving industry requirements.

Our product portfolio is built around two core divisions - Admixtures and Dry-Mix Products - engineered to address the full range of concrete and masonry construction needs, from structural performance to surface finishing.



Manufacturing
Excellence



Dealer
Support



Quality
Assurance



ISO 9001:2015
Certified



Technical
Support



Modern
Manufacturing

Product Selection Guide

Tile Type	Recommended Product
Ceramic Tiles	FixGen™ Silver
Vitrified Tiles	FixGen™ Gold
Tile on Tile Application for Wall & Floor	FixGen™ Gold
Large Format Vitrified Tiles	FixGen™ Diamond
Natural Stone	FixGen™ Diamond
Granite	FixGen™ Platinum
Large Tile Slab	FixGen™ Platinum
Façade	FixGen™ Platinum
Marble	FixGen™ MTA
Italian Marble	FixGen™ MTA
Glass Tiles	FixGen™ GTA
Glass Mosaic Tiles	FixGen™ GTA
For Tile Joint Width 1 to 5 mm	FixGen™ TG
For Tile Joint Width 2 to 15 mm	FixGen™ ETG



Conforms to: EN 12004
Type C1T

FixGen™ Silver C1T

Ceramic Wall & Floor Tile Adhesive for
New Construction

AREAS OF APPLICATION

- Ceramic tile installation on walls and floors
- Porcelain tile installation in internal areas
- Application over cement plaster, concrete, masonry, and mortar beds
- Suitable for residential and commercial applications
- Suitable for internal and external dry-area applications

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Grey Powder
Mixed Density	1.50 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)	Approx. 3:1 by volume / 1:0.25 by weight
Pot Life @ 25°C	Approx. 90 Minutes
Open Time (IS 15477:2019)	15 ± 5 Minutes
Adjustment Time (IS 15477:2019)	10 ± 5 Minutes
Ready for Grouting	After 8 Hours
Light Foot Traffic	After 24 Hours
Regular Traffic	After 7 Days
Tensile Adhesion Strength (EN 1348)	≥0.5 N/mm ²
Shear Adhesion Strength	≥1.0 N/mm ²
Slip Resistance (T)	≤0.5 mm
Recommended Adhesive Thickness	3–12 mm

APPROXIMATE COVERAGE

5-5.5 m² (approx. 55-60 sq.ft.) per 20 Kg bag at
3 mm thickness using a 6 mm × 6 mm notched trowel.

FEATURES & BENEFITS



Easy to use - only water
addition required



Suitable for wall and
floor applications



Good adhesion and
slip resistance



Excellent workability and
easy application



Low shrinkage
characteristics



Suitable for thin-bed
and medium-bed
application



Good water resistance
performance



Suitable for internal
and external
dry-area applications



Conforms to: EN 12004
Type C2T

FixGen™ Gold C2T

Vitrified Tile & Tile-on-Tile Adhesive for Wall & Floor Applications

AREAS OF APPLICATION

- Installation of ceramic, vitrified, porcelain, terrazzo and natural stone tiles
- Suitable for floor and wall applications
- Recommended for cement plaster, concrete, masonry, mortar beds, lightweight blocks, and existing tile surfaces
- Suitable for internal and external residential and commercial applications

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Grey Powder
Mixed Density	1.50 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)	Approx. 3:1 by volume / 1:0.25 by weight
Pot Life @ 25°C	Approx. 90 Minutes
Open Time (IS 15477:2019)	20 ± 5 Minutes
Adjustment Time (IS 15477:2019)	15 ± 5 Minutes
Ready for Grouting	After 8 Hours
Light Foot Traffic	After 24 Hours
Regular Traffic	After 7 Days
Tensile Adhesion Strength (EN 1348)	≥0.7 N/mm ²
Shear Adhesion Strength	≥1.1 N/mm ²
Slip Resistance (T)	≤0.5 mm
Recommended Adhesive Thickness	3–12 mm

APPROXIMATE COVERAGE

5-5.5 m² (approx. 55-60 sq.ft.) per 20 Kg bag at
3 mm thickness using a 6 mm × 6 mm notched trowel.

FEATURES & BENEFITS



Excellent bond strength for wall and floor applications



Suitable for vitrified and porcelain tile installation



Reduced slip characteristics for vertical applications



Water-resistant after curing



Excellent workability and application consistency



Polymer-modified formulation for improved performance



Low shrinkage characteristics



Suitable for internal and external applications



Complies with EN 12004 Class C2T requirements



Conforms to relevant requirements of IS 15477



Conforms to: EN 12004
Type C2TE

FixGen™ Diamond C2TE

(High Performance Adhesive for Large Format Vitrified Tiles)

AREAS OF APPLICATION

- Installation of large-format vitrified, porcelain, terrazzo, and natural stone tiles
- Suitable for floor and wall applications
- Recommended for tile-on-tile applications and high-performance bonding requirements
- Suitable for internal and external residential and commercial applications
- Recommended for large-format tile installations, heavy-duty areas, and demanding application conditions

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Grey Powder
Mixed Density	1.50 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)	Approx. 3:1 by volume / 1:0.25 by weight
Pot Life @ 25°C	Approx. 180-240 Minutes
Open Time (IS 15477:2019)	30 ± 5 Minutes
Adjustment Time (IS 15477:2019)	25 ± 5 Minutes
Ready for Grouting	After 8 Hours
Light Foot Traffic	After 24 Hours
Regular Traffic	After 7 Days
Tensile Adhesion Strength (EN 1348)	≥1.4 N/mm ²
Shear Adhesion Strength	≥1.6 N/mm ²
Slip Resistance (T)	≤0.5 mm
Recommended Adhesive Thickness	3–12 mm

APPROXIMATE COVERAGE

4-5 m² (approx. 45-55 sq.ft.) per 20 Kg bag at 3 mm thickness using a 6 mm × 6 mm notched trowel.

2.3-2.8 m² (approx. 25-30 sq.ft.) per 20 Kg bag at 6 mm thickness using a 6 mm × 6 mm notched trowel.

FEATURES & BENEFITS



High bond strength for wall and floor applications



Suitable for large-formed vitrified and porcelain tile installation



Extended open time for improved application flexibility



Reduced slip characteristics for vertical applications



Water-resistant after curing



Excellent workability and application consistency



Polymer-modified formulation for enhanced performance



Low shrinkage characteristics



Suitable for internal and external applications



Complies with EN 12004 Class C2TE requirements



Conforms to relevant requirements of IS 15477



Conforms to: EN 12004
Type C2TE S1

FixGen™ Platinum C2TE S1

Flexible S1 Adhesive for Façade,
Granite & Multipurpose Applications

AREAS OF APPLICATION

- Installation of large-format vitrified, porcelain, terrazzo, granite, marble engineered stone and natural stone applications
- Suitable for floor and wall applications
- Recommended for tile-on-tile applications and high-performance bonding requirements
- Suitable for internal and external residential and commercial applications
- Recommended for facade applications, heavy-duty areas, large-format slab installations and demanding application conditions

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Grey Powder
Mixed Density	1.50 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)	Approx. 3:1 by volume / 1:0.25 by weight
Pot Life @ 25°C	Approx. 180-210 Minutes
Open Time (IS 15477:2019)	35 ± 5 Minutes
Adjustment Time (IS 15477:2019)	30 ± 5 Minutes
Ready for Grouting	After 8 Hours
Light Foot Traffic	After 24 Hours
Regular Traffic	After 7 Days
Tensile Adhesion Strength (EN 1348)	≥1.8 N/mm ²
Shear Adhesion Strength	≥1.7 N/mm ²
Slip Resistance (T)	≤0.5 mm
Transverse deformation (S1)	≥2.6 mm
Recommended Adhesive Thickness	3–12 mm

APPROXIMATE COVERAGE

4-5 m² (approx. 45-50 sq.ft.) per 20 Kg bag at 3 mm thickness using a 6 mm × 6 mm notched trowel.

2.2-2.6 m² (approx. 22-26 sq.ft.) per 20 Kg bag at 6 mm thickness using a 6 mm × 6 mm notched trowel.

FEATURES & BENEFITS



High bond strength
for wall and floor
applications



Suitable for large-format
vitrified slab and porcelain
tile installation



Extended open time for
improved application
flexibility



Reduced slip
characteristics for
vertical applications



Flexible (S1) performance
for movement and
stress areas



Water-resistant
after curing



Excellent workability
and application
consistency



Polymer-modified
formulation for
enhanced performance



Low shrinkage
characteristics



Good resistance to
thermal movement and
freeze-thaw conditions



Suitable for internal
and external
applications



Complies with
EN 12004 Class
C2TE S1 requirements



Conforms to relevant
requirements of
IS 15477



Conforms to: EN 12004
Type C2TE

FixGen™ MTA C2TE

White Adhesive for Large Format
Marble & Natural Stones

AREAS OF APPLICATION

- Installation of vitrified, porcelain, terrazzo and natural stone tiles
- Suitable for floor and wall applications
- Recommended for white marble, light coloured natural stone and Italian marble applications
- Suitable for internal and external stone cladding applications
- Recommended for premium residential and commercial projects
- Recommended for large-format tile installations, heavy-duty areas and demanding applications conditions

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	White Powder
Mixed Density	1.50 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)	Approx. 3:1 by volume / 1:0.25 by weight
Pot Life @ 25°C	Approx. 180-240 Minutes
Open Time (IS 15477:2019)	30 ± 5 Minutes
Adjustment Time (IS 15477:2019)	25 ± 5 Minutes
Ready for Grouting	After 8 Hours
Light Foot Traffic	After 24 Hours
Regular Traffic	After 7 Days
Tensile Adhesion Strength (EN 1348)	≥1.4 N/mm ²
Shear Adhesion Strength	≥1.6 N/mm ²
Slip Resistance (T)	≤0.5 mm
Recommended Adhesive Thickness	3–12 mm

APPROXIMATE COVERAGE

4-5 m² (approx. 45-55 sq.ft.) per 20 Kg bag at 3 mm thickness using a 6 mm × 6 mm notched trowel.

2.3-2.8 m² (approx. 25-30 sq.ft.) per 20 Kg bag at 6 mm thickness using a 6 mm × 6 mm notched trowel.

FEATURES & BENEFITS



High bond strength
for wall and floor
applications



Suitable for large-format
vitrified slab and
porcelain tile installation



Extended open time
for improved
application flexibility



Reduced slip
characteristics for
vertical applications



Water-resistant
after curing



Excellent workability
and application consistency



Polymer-modified
formulation for
enhanced performance



Low shrinkage
characteristics



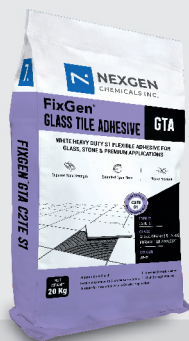
Suitable for internal
and external
applications



Complies with
EN 12004 Class
C2TE
requirements



Conforms to
relevant
requirements of
IS 15477



Conforms to: EN 12004
Type C2TE S1

FixGen™ GTA C2TE S1

White Flexible S1 Adhesive for Glass Mosaic
& Premium Stone Applications

AREAS OF APPLICATION

- Installation of large-format vitrified slabs, glass mosaic tiles, glass tiles, porcelain tiles, terrazzo, marble, granite, engineered stone and natural stone applications
- Suitable for floor and wall applications
- Recommended for tile-on-tile applications and high-performance bonding requirements
- Suitable for internal and external residential and commercial applications
- Recommended for façade applications, swimming pools, bathrooms, kitchens, heavy-duty areas, and demanding application conditions
- Recommended for white marble, Italian marble, light-coloured natural stone and aesthetic premium installations

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	White Powder
Mixed Density	1.50 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)	Approx. 3:1 by volume / 1:0.25 by weight
Pot Life @ 25°C	Approx. 180-210 Minutes
Open Time (IS 15477:2019)	35 ± 5 Minutes
Adjustment Time (IS 15477:2019)	30 ± 5 Minutes
Ready for Grouting	After 8 Hours
Light Foot Traffic	After 24 Hours
Regular Traffic	After 7 Days
Tensile Adhesion Strength (EN 1348)	≥1.8 N/mm ²
Shear Adhesion Strength	≥1.7 N/mm ²
Slip Resistance (T)	≤0.5 mm
Transverse deformation (S1)	≥2.6 mm
Recommended Adhesive Thickness	3–12 mm

APPROXIMATE COVERAGE

6-7 m² (approx. 65-70 sq.ft.) per 20 Kg bag at 3 mm thickness using a 6 mm × 6 mm notched trowel.

4-5 m² (approx. 45-50 sq.ft.) per 20 Kg bag at 6 mm thickness using a 6 mm × 6 mm notched trowel.

FEATURES & BENEFITS



High bond strength
for wall and floor
applications



Suitable for large-format
vitrified slab and porcelain
tile installation



Extended open time for
improved application
flexibility



Reduced slip
characteristics for
vertical applications



Flexible (S1) performance
for movement and
stress areas



Water-resistant
after curing



Excellent workability
and application
consistency



Polymer-modified
formulation for
enhanced performance



Low shrinkage
characteristics



Good resistance to
thermal movement and
freeze-thaw conditions



Suitable for internal
and external applications



Complies with EN 12004 Class
C2TES1 requirements



Conforms to relevant
requirements of IS 15477



Conforms to: ISO 13007-3
Type CG2 WA

FixGen™ TG - Tile Grout

Polymer-Modified Cementitious
Tile Joint Grout

AREAS OF APPLICATION

- Wall and floor tile joints
- Internal and external applications
- Wet and dry areas
- Swimming pools and water features
- Bathrooms, kitchens, cafeterias, and commercial areas

TECHNICAL SPECIFICATIONS

Properties	Standard & Requirements	Typical Value
Appearance		Fine Colour Powder
Mixed Density		1.75 ± 0.05 Kg/Litre
Mixing Ratio (Powder: Water)		Approx. 100:40 (Grout: Water by weight)
Pot Life @ 25°C		Approx. 60 Minutes
Join Width		1-5 mm
Sag Resistance		Non-Sag
Light Foot Traffic		After 24 Hours
Regular Traffic		After 7 Days
Performance Properties		Test Results
Compressive Strength after 28 days	EN 12808-3 ≥ 15 N/mm ²	Approx. 18 ± 2 N/mm ²
Flexural Strength after 28 days	EN 12808-3 ≥ 2.5 N/mm ²	Approx. 4 ± 2 N/mm ²
Water Absorption at 30 Min.	EN 12808-5 < 5 g	≤ 1.5 g
Water Absorption at 240 Min.	EN 12808-5 < 10 g	≤ 3.0 g
Pull-off Adhesion Strength		≥ 1.5 MPA (Concrete failure)

APPROXIMATE COVERAGE

Tile Size (mm)	Tile Thickness (mm)	2 mm Joint Width	3 mm Joint Width	5 mm Joint Width
300 x 300	6	9.1	5.7	3.4
450 x 300	6	11.1	6.8	4.1
600 x 300	6	11.2	7.6	4.6
600 x 600	8	12.6	8.5	5.1
1000 x 1000	10	16.7	11.2	6.7

FEATURES & BENEFITS



Polymer-modified grout for improved durability and performance



Water-resistant and low-shrinkage grout joints



Smooth and uniform joint finish



Good adhesion and crack resistance



Suitable for internal and external applications



Non-dusting and easy-to-clean surface finish



Available in a range of attractive colours



Suitable for ceramic, porcelain, vitrified, mosaic, marble, and natural stone applications



Conforms to: ISO 13007-3
Type RG

FixGen™ Epoxy Tile Grout (ETG)

Three Component High Performance Epoxy Grout

AREAS OF APPLICATION

- Walls and Floors
- Interior and Exterior
- Wet and Dry Areas
- Showers and Swimming Pools
- Kitchen and Cafeteria
- Heavy Traffic Floors
- Airports and Commercial Areas
- Hygienic and Sterile Areas
- Hospitals and Healthcare Facilities
- Laboratories
- Water-Immersion Areas
- Food & Pharmaceutical Industries

TECHNICAL SPECIFICATIONS

Properties	Typical Value
Appearance	Base (Part-A) - White Viscous Liquid Hardener (Part-B)- Yellow Viscous Liquid Filler (Part-C) - Coloured powder
Mixing Ratio	Base + Hardener + Filler (1.80 : 0.90 : 7.3)
Mix Density	1.75 ± 0.05 Kg/Litre
Pot life @ 30°C	Min, 60 minutes
Joint Width	2-15 mm
Sag Resistance	No-sag
Temperature of use	From -20° C to +100° C
Light Foot Traffic	After 24 hours
Regular Traffic	After 3 Days
Performance Properties	Test Results
Compressive Strength after 7 days	>50 MPa
Flexural Strength after 7 days	>30 MPa
Shear Adhesion Strength after 14 days	≥30 kN
Water Absorption	≤0.5 g
Pull-off Adhesion Strength	≥1.5 MPa (Concrete failure)
Total VOC Content (EPA Method 24)	<8g/Kg

APPROXIMATE COVERAGE

Tile Size	Tile Thickness	Grouting Width		
		2 mm	3 mm	5 mm
(mm)	(mm)			
300 x 300	6	97.8	60.9	37.1
450 × 300	6	119.5	72.9	44.3
600 × 300	6	120.9	81.5	49.1
600 × 600	8	136.2	91.2	54.9
1000 × 1000	10	179.9	120.2	72.45

FEATURES & BENEFITS



Excellent colour stability
and long-term
colour retention



High quality
UV stable coloured
quartz fillers



Excellent stain
resistance



Excellent chemical
and stain resistance



Hygienic, non-absorbent
and resistant to
fungal growth



Highly water resistant
and non-absorbent



Very high
compressive and
abrasion resistance



Smooth and
shiny flush joints between
tiles & stone



Easy to mix,
apply and clean
with water



Durable and
long-lasting



Highly thixotropic
and non-sag for
vertical and
horizontal joints



Low VOC and at
par with international
norms



Easy to maintain
and clean

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 Catalogue 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.

Notes

Notes



NEXGEN
CHEMICALS INC.

Strength Through Chemistry

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ISO 9001 BIS Compliant