

DUROPOX-99

SANDY GROUT with DUROMIX



Polymer based, sanded cement grout for interior & exterior, floor & wall joints of width 3mm – 12mm



FEATURES / BENEFITS

- Complies with IS 17190:2020 / ISO 13007-4 standards
- Weather resistant
- Easy application and clean up.
- Easy maintenance
- Non-cracking & Non-shrink
- Water and shock resistant.

SUBSTRATES

- Ceramic tile
- Vitrified tile
- Glass Mosaic Tiles
- Granite
- Marble
- Agglomerates (Engineered Stones)
- Precast Terrazzo tiles
- Bricks

Application

Designed for interior and exterior floor and wall joints of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, precast terrazzo, engineered stone floors and natural stones. Recommended for Institutional and commercial general floor and wall areas. Can be mixed with water or **DUROMIX** Polymer Admix and used for filling the joints of width 3mm to 12mm

Compliance

ISO 9001:2015



Authorized Signature
For HYM International Certifications Pvt. Ltd.

PERFORMANCE PROPERTIES

DUROPOX-99

Polymer based sandy grout



APPLICATION PROPERTIES WITH DUROMIX

TEST PARAMETERS	REQUIREMENT AS PER IS 17190:2020 Type CG2W	TEST RESULT	TEST METHOD
Linear Shrinkage	0.20 % maximum	0.15-0.18 %	IS 17190:2020(Annex-B)
Water Absorption (After 30 min.)	10 % maximum	2.5-3.5 %	IS 17190:2020(Annex-C)
Water Absorption (After 240 min.)	---	3.2-3.9 %	IS 17190:2020(Annex-C)
Compressive Strength	17 MPa minimum	20-25 MPa	IS 17190:2020(Annex-D)
Flexural Strength	3.0 MPa minimum	3.2-3.4 MPa	IS 17190:2020(Annex-D)
Abrasion Resistance	2.5 % maximum	2.0-2.3 %	IS 17190:2020(Annex-E)
Traverse Deformation	N.A	--	IS 17190:2020(Annex-G)
Chemical Resistance	N.A	--	IS 17190:2020(Annex-F)

Remarks:- The Tile Grouts, **DUROPOX-99 Sandy Grout with DUROMIX** confirms to IS 17190:2020 Type CG2W with respect to above test results.

TEST PARAMETERS	REQUIREMENT AS PER EN 13888(P-1):2022/ ISO13007-4:2013(en)	TEST RESULT	TEST METHOD
Abrasion Resistance	$< 1000 \text{ mm}^3$	$860-940 \text{ mm}^3$	EN 13888-2:2022 CLAUSE 9.4
<u>Flexural Strength</u> a) Under standard conditions b) After Freeze-Thaw Cycles	$\geq 2.5 \text{ N/mm}^2$ $\geq 2.5 \text{ N/mm}^2$	$3.8-4.0 \text{ N/mm}^2$ $3.6-3.8 \text{ N/mm}^2$	EN 13888-2:2022 CLAUSE 9.1
<u>Compressive Strength</u> a) Under standard conditions b) After Freeze-Thaw Cycles	$\geq 15 \text{ N/mm}^2$ $\geq 15 \text{ N/mm}^2$	$20-22 \text{ N/mm}^2$ $19-21 \text{ N/mm}^2$	EN 13888-2:2022 CLAUSE 9.1
Shrinkage	$\leq 3 \text{ mm/m}$	$1.2-1.4 \text{ mm/m}$	EN 13888-2:2022 CLAUSE 9.3
Water Absorption (After 30 min.)	$\leq 2\text{g}$	$1.2-1.6 \text{ g}$	EN 13888-2:2022 CLAUSE 9.2
Water Absorption (After 240 min.)	$\leq 5\text{g}$	$2.5-2.9 \text{ g}$	EN 13888-2:2022 CLAUSE 9.2

Remarks:- The CG2W type tile grouts, **DUROPOX-99 Sandy Grout with DUROMIX** confirms to EN 13888(P-1):2022/ISO13007-4 with respect to above test.

Package :

10 Kg bag (Duropox - 99)

100 ml, 200 ml, 400 ml & 5 ltr container (Duromix)

Colour:

Choose from range of colours available. Please refer the grout colour chart for choosing the colour required.

Working Properties at 70° F (21° C)

Working properties:

Pot life 60 minutes

Foot traffic 24 hours

Heavy traffic 72 hours

INSTALLATION

Important site Checks: Notes to the specifiers:

- It is recommended to check the colour of the grout, if it is meeting the desired colour of the client.
- It is recommended to do a small area with actual tile/stone at site and check for any colour ingress into the tile/stone. Many tiles / stones have high absorption which may lead to wet patches / discoloration / colour marks.
- Plan to provide proper movement joints, peripheral joints as per TCA, EJ 171 detail to accommodate movements in tile/stone and use flexible grout / sealant to fill these movement joints.
- For better color retention, flexibility and water resistance, use DUROMIX Polymer Admix.

Surface Preparation:

Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. In case acid cleaners were used to clean the tiles, ensure to wash the area with plenty of water before commencing grouting. Substrate temperature must be between 60°F (16°C) and 90°F (32°C).

Mixing**Stir DUROMIX Polymer Admix thoroughly before use.**

Use approximately 2.5 liters of DUROMIX for 10 kg of DUROPOX-99 Sandy Grout powder. Place DUROMIX in a clean mixing container and add grout powder slowly. Mix by hand or with a slow speed mixer to a smooth stiff consistency. Potable grade Water can also be used with DUROMIX.

Application

Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top (i.e. "bridging the joint")

Note: For fuller flush joints sprinkle a thin layer of dry grout powder over surface immediately after grouting. When grout darkens over joint, buff with burlap, carpet remnant or cotton rag to pack joint and clean face of tile.

Cleaning

Grout Primary Cleaning - Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.

Grout Secondary Cleaning - Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water.

Note: Use caution when polishing soft glazed tiles or polished stone.

* Contact DUROXZ technical services for large format tile or stone installations on exterior surfaces.

Shelf Life

Factory sealed packs of this product are guaranteed to be of first quality for two (2) years* if stored off the ground in a dry area.

*High humidity will reduce the shelf life of bagged product.

Limitations

- Consult with Technical Services for specific exterior grouting recommendations.
- Protect from exposure to acids and strong cleaners during service periods. Acidic cleaners can neutralize the cement based grouts which leads to change of colour, cracking and powdering
- Not recommended for soft, polished marble or delicate glazed tiles.

WARRANTY

DUROXZ ITAL CHEMTECH PVT LTD warrants that DUROPOX-99 Sandy Grout is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of two (2) years from manufacturing of the product subject to the terms and conditions stated in DUROXZ product warranty.

DUROXZ ITAL CHEMTECH PVT. LTD.,

Kirlampudi, E.G. Dist. Andhra Pradesh, INDIA.

E-mail : sales@duroxz.com | website : www.duroxz.com

