LATAPOXY SP-100

Providing and fixing spacer between tiles as per architecture requirement and grouting the same with Latapoxy SP-100.
For detailed installation and laying procedure follow MYK LATICRETE Method Statement.
Laticrete products supplied shall be as Manufactured by MYK LATICRETE India Pvt Ltd.

Performance Properties SP 100:

Applicable Standards:

ANSI A118.3; ISO 13007 – 3 (RG) / EN 13888

ANSI Data		
Property / Test Method	Requirement	Typical Values
Water cleanability: ANSI A118.3: Clause 5.1	>80 Minutes	90-120 Minutes
Initial Setting Time: ANSI A118.3: Clause 5.2	>120 Minutes	200 - 260 Minutes
Service Setting Time: ANSI A118.3: Clause 5.2	≤ 7 Days	48 Hours – 72 Hours
Shrinkage after 7 days: ANSI A118.3: Clause 5.3	< 0.25%	< 0.10%
Sag in Vertical Joints: ANSI A118.3: Clause 5.4	No change in shape of joint	Pass. No change in shape of joint
Bond strength to Quarry Tile: ANSI A118.3: Clause 5.5	>1000 psi (6.87 Mpa)	>1100 psi (7.86 Mpa)
Compressive Strength after 7 days: ANSI A118.3: Clause 5.6	>3500 psi (24.06 Mpa)	7500 – 8200 psi (51.56 – 56.37 Mpa)
Tensile Strength after 7 days: ANSI A118.3: Clause 5.7)	>1000 psi (6.87 Mpa)	2300 – 2600 psi (15.81 – 17.87 Mpa)
Thermal Shock ANSI A118.3: Clause 5.8)	>500 psi (3.43 Mpa)	1000 – 1100 psi (6.87 – 7.86 Mpa)

The grout mortar conforms to ANSI A 118.3

ISO / EN Data		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2	≤ 250 mm³	Pass
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 - 3	≥ 30 N / mm²	38 - 40 N / mm²
Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4	≥ 45 N / mm²	55 – 57 N / mm²
Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4	< 1.5mm / m	0.6 – 0.8 mm /m
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤0.1 g	0.015 – 0.040 g
Chemical Resistance	See Chemical resistance chart	

The grout mortar conforms to ISO 13007 – 4 (RG) / EN 13888.

CHEMICAL RESISTANCE CHARTS: At 23° C

Acid Based Chemicals				
Chemical	**Concentration**	**PE**	**IE**	**SE**
Acetic Acid	2.5%	VG	VG	VG
	5%	G	VG	VG
• HCL	10%	VG	VG	VG
• H2SO4	20%	VG	VG	VG
	50%	P	G	G
• Formic Acid	2.5%	VG	VG	VG
	10%	P	P	P
Nitric Acid	10%	P	G	VG
Citric Acid	10%	VG	VG	VG
Tartaric Acid	50%	VG	VG	VG
Tannic Acid	50%	VG	VG	VG
Benzoic Acid	5%	VG	VG	VG
Oxalic Acid	10%	VG	VG	VG

PE: Prolonged Exposure; IE: Intermittent Exposure: SE: Splash Exposure; P: Poor: G: Good; VG: Very Good;