



Grout Admix 1776

Providing and fixing spacer between tiles as per architecture requirement and grouting the same with Laticrete cement based Tile Grout mixed with Laticrete 1776 Grout admix plus.

For joints 1-3mm, use Laticrete Unsanded grout (600 series) mixed with Laticrete 1776.

For joints 3-12mm, use Laticrete Sanded grout (500 series) mixed with Laticrete 1776.

Mixing ratio shall be as follows:

10kg bag Laticrete 600 Unsanded grout : 3.75ltr Laticrete 1776 grout admix plus.

10kg bag Laticrete 500 Sanded grout : 1.75ltr Laticrete 1776 grout admix plus.

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:

Laticrete 600 Series un-sanded grout, when mixed with Laticrete 1776 grout admix:

ANSI A118.6; ISO 13007 – 4(CG1) / EN 13888

ANSI Data		
Property / Test Method	Requirement	Typical Values
Linear Shrinkage after 27 days: ANSI A118.6: Clause 4.3	Max 0.30%	0.19% - 0.23%
Water Absorption after 27 days: ANSI A118.6: Clause 4.4	Max 18%	10% - 13%
Compressive Strength after 1 day: ANSI A118.6: Clause 4.5	Min 500 psi (3.43 Mpa)	570 – 900 psi (3.91 – 6.18 Mpa)
Compressive Strength after 28 days: ANSI A118.6: Clause 4.5	Min 3000 psi (20.62 Mpa)	3100 – 3200 psi (21.31 – 22.00 Mpa)
Tensile Strength after 28 days: ANSI A118.6: Clause 4.6	Min 250 psi (1.71 Mpa)	350 – 400 psi (2.40 – 2.75 Mpa)
Flexural Strength after 28 days: ANSI A118.6: Clause 4.7	Min 500 psi (3.43 Mpa)	600 – 800 psi (4.12 – 5.50 Mpa)

The grout mortar conforms to ANSI A 118.6

ISO / EN Data		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2	$\leq 2000 \text{ mm}^3$	1350 – 1700 mm^3
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 - 3	$\geq 2.5 \text{ N / mm}^2$	3.5 – 3.9 N / mm^2
Flexural strength under freeze and thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 - 3	$\geq 2.5 \text{ N / mm}^2$	3.5 – 3.9 N / mm^2
Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4	$\geq 15 \text{ N / mm}^2$	21 – 22 N / mm^2
Compressive Strength under freeze & thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 – 4	$\geq 15 \text{ N / mm}^2$	20 – 22 N / mm^2
Shrinkage: ISO 13007 – 4: Clause 4.3 : EN 12808 – 4	$< 3 \text{ mm / m}$	1.9 – 2.3 mm / m
Water Absorption after 30 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	$\leq 5.0 \text{ g}$	2.5 – 3.0 g
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	$\leq 10 \text{ g}$	4.0 – 8.0 g

The grout mortar conforms to ISO 13007 – 4 (CG1) / EN 13888.

Performance Properties Laticrete 500:

Applicable Standards: Laticrete 500 Series sanded grout, when mixed with L 1776:

ANSI A118.6; ISO 13007 – 4(CG1) / EN 13888

ANSI Data		
Property / Test Method	Requirement	Typical Values
Linear Shrinkage after 27 days: ANSI A118.6: Clause 4.3	Max 0.30%	0.08% - 0.1%
Water Absorption after 27 days: ANSI A118.6: Clause 4.4	Max 18%	10% - 16%
Compressive Strength after 1 day: ANSI A118.6: Clause 4.5	Min 500 psi (3.43 Mpa)	600 – 800 psi (4.12 – 5.50 Mpa)
Compressive Strength after 28 days: ANSI A118.6: Clause 4.5	Min 3000 psi (20.62 Mpa)	3050 – 3350 psi (20.97 – 23.03 Mpa)
Tensile Strength after 28 days: ANSI A118.6: Clause 4.6	Min 250 psi (1.71 Mpa)	300 – 400 psi (2.06 – 2.75 Mpa)
Flexural Strength after 28 days: ANSI A118.6: Clause 4.7	Min 500 psi (3.43 Mpa)	570 – 850 psi (3.91 – 5.84 Mpa)

The grout mortar conforms to ANSI A 118.6

ISO / EN Data		
Property / Test Method	Requirement	Typical Values
Abrasion resistance: ISO 13007 – 4: Clause 4.4; EN 12808 - 2	$\leq 2000 \text{ mm}^3$	1250 – 1500 mm^3
Flexural strength under standard conditions: ISO 13007 – 4: Clause 4.1.3; EN 12808 - 3	$\geq 2.5 \text{ N / mm}^2$	4.5 – 6.0 N / mm^2
Flexural strength under freeze and thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 - 3	$\geq 2.5 \text{ N / mm}^2$	3.5 – 4.5 N / mm^2
Compressive Strength under standard conditions: ISO 13007 – 4: Clause 4.1.4; EN 12808 – 4	$\geq 15 \text{ N / mm}^2$	21 – 23 N / mm^2
Compressive Strength under freeze & thaw cycles: ISO 13007 – 4: Clause 4.1.5; EN 12808 – 4	$\geq 15 \text{ N / mm}^2$	16 – 18 N / mm^2
Shrinkage: ISO 13007 – 4: Clause 4.3	$< 3 \text{ mm / m}$	0.8 – 1.0 mm / m

: EN 12808 – 4		
Water Absorption after 30 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤ 5.0 g	3.0 – 4.0 g
Water Absorption after 240 Minutes: ISO 13007 – 4: Clause 4.2; EN 12808 – 5	≤ 10 g	6.0 – 9.0 g

The grout mortar conforms to ISO 13007 – 4 (CG1) / EN 13888.