

READY MIX MORTAR

ADI GROUT 450

Non-Shrink, Non-Metallic Grout



DESCRIPTION:

Adi grout 450 is specially formulated for a wide variety of grouting applications, from damp pack to flowable through a controlled, positive expansion.

USE:

Recommended uses include grouting of pump and equipment based column base plates, anchor bolts, pre-cast and tilt-up walls

BENEFITS:

- Non-metallic / non-corrosive
- Pourable / pumpable versatility
- Doesn't stain surfaces
- Chloride and gypsum free
- Easy to use
- high mechanical strength

APPLICATION:

Remove all dirt, oil, grease and loose or foreign material. Any metal in contact with the grout must be free of rust, oil, grease, and other foreign matter which would limit the bond. Concrete surface must be sound and roughened to insure proper bonding. Prior to placing grout, surface must be saturated, if possible for a period between 4 and 24 hours. Remove all excess water before placing the grout. Bolts, base plates and equipment must be secure and rigid before placing the grout.

Forms: Allow for the continuous placing of grout. Provisions for venting to avoid air entrapment must be made. Placing from one side, provide a 45° angle in the forms to a height that provides a head of grout during placement. On all sides, provide a minimum of 1" (2.54 cm) horizontal clearance between the base plate and forms. Forms should be at least 1" (2.54 cm) above of the base plate.

MIXING:

Do not hand mix, for large quantities and continuous pours, use a mortar mixer with rubber tipped blades or appropriate grout pump for a minimum of 5 minutes. Start with minimum water requirements. Always add water to mixer first, then slowly add powder. Use only the amount of water required for the desired placement consistency. Mix in two steps: Add 2/3 of the water, add grout, after partial mixing add the remaining 1/3 of the water for desired consistency. Thoroughly mix total quantity for an additional 2 to 3 minutes. Do not mix

more than can be placed in 25 minutes. water requirements per bag are as follows:

PLASTIC CONSISTENCY:

0.85 a 0.88

galons of water or 3.18 to 3.33 liters (3.2kg – 3.56kg) per 50 pounds bag

SEMIFLUID CONSISTENCY:

0.88 a 0.94

Galons of water or 3.33 a 3.56 liters (3.2kg – 3.56kg) per 50 pounds bag

FLUID CONSISTENCY

:1 a 1.4 galons of water or 3.79 to 5.30 liters (3.54kg – 4.31kg)) per 50 pounds bag

Note: The data shown is based on controlled laboratory testing. Reasonable variation from test results shown can be expected. Field and laboratory testing should be controlled on the basis of the desired placing consistency, rather than strictly on water content.

CURING:

Grouts must be cured. Immediately water cure or cover with clean, wet rags and keep moist until final set. After final set, remove water cure or wet rags and apply a curing compound, such as ADISOL BLANCO.

COARSE APPLICATION:

3/8" washed pea stone can be used for application bigger than 2" thickness.

In case of 2 to 5" thickness up to 25% by weight can be added, for more than 5" thickness up to 50% by weight can be added.

YIELD:

50 lb (22.7Kg) plastic bag will yield approxi-mately 0.45 cu. ft. in a fluid condition.

50% by weight extension (25 lbs) of 3/8" pea stone will yield approximately 0.59 cu. ft.

HOT WEATHER CONDITIONS:

Accelerates setting time and causes premature drying of the grout. Keep the grout cool. Provide shade for area to be grouted. Use cool or chilled mixing water. Protect grout from direct sun exposure for up to 24 hours after grouting.

Placing continuously and quickly. Start from one side to avoid air entrapment. Be sure grout fills spaces and remains in contact with plate. DO NOT VIBRATE

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A minimum of 1" (2.48 cm) vertical clearance should be maintained for base plate grouting applications. Thinner vertical clearances may require the use of another type of grout.

PAKAGING:

50 lb (22.7Kg) plastic bag will yield approximately 0.45 cu. ft. in a fluid condition. Nns:
50% by weight extension (25 lbs) of 3/8" pea stone will yield approximately 0.59 cu. ft.

PRECAUTIONS:

When nearby equipment causes vibration of the grout, such equipment should be shut down for a period of 24 hours (at 73oF (23oC)). DO NOT mix over 5 minutes. DO NOT over water; this can cause bleeding or separation. DO NOT retemper. DO NOT add cement, sand, or admixtures.

SHELF LIFE/STIREAGE:

ADIGROUT 450 should be stored in a cool, dry interior area. At no time should material be exposed to high moisture, rain. When stored in the original, tightly closed container, the shelf life is one year from the date of manufacture.

WARRANTY LIMITATION

ADITIVOS DE EL SALVADOR warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, ADI will replace the defective product with new product without charge to the purchaser. ADI makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE

OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

TESTING DATA

Compressive Strength (ASTM C-109)	PLASTIC PSI	SEMIFLUID PSI	FLUID PSI
3 DAYS	3384	3041	2356
7 DAYS	4940	3912	3370
28 DAYS	6783	5483	4583

