



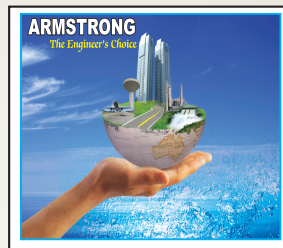
ARMSTRONG CHEMICALS PVT. LTD.,  
Bengaluru  
An ISO 9001 : 2008 Certified Company



(High performance Expansive Water Reactive and Barrier Grout)

### DESCRIPTION OF THE PRODUCT :

RAPIDSTRONGGROUT PU–Is an Expansivewater reactive and water barrier grout. Designed for free flow grouting which sets quickly react with water in a controlled manner and low viscosity liquid solid in densities and achieve the strength of designed levels. It controls the water oozing and solidifies the grout within the few seconds in water to form a swelling resilient adhesive consisting of a base and hardener when mixed in flowable consistency. It is highly impregnated into highly leaking structures and stop the water from oozing and solidifies the grout and forms into a solid water barrier by the process of polymerization.



The unique characteristics of low viscosity of the liquid will remain unchangeable even it contacting the water allows to flow without any dilution. The product reaction initiated when it contactswith water,it will expands by penetrating into its surroundings, pores, narrow gaps and sets quickly to a tough highly adhesive solid to repel the influence of negative seepage / flow and solidifies the objective of the surrounding which protects againstenvironmental corrosion effect.

RAPIDSTRONG GROUT PU is a non-toxic / non-pollutant grout, when it contacts the water, it as no effect an portable water, marine life, and also its solidifies the grout within few seconds in any water like sea water or water which content slite acid and alkalies.

### ADVANTAGES :

- Stops the water from oozing and solidifies the grout within few seconds, in all forms of water, highly impermeable solidifying properly in all types of water.
- Low viscosity of the liquid will remain unchangeable even it contacting the water allows to flow without any dilution, does not wash away or diluted in the ground water.
- When contacted with water, it reacts quickly and expands into its surroundings and forms into a solid to repel the influence of underground seepage / flow.
- Non-toxic / non-pollutant ,it has no effect on portable water , marine life.
- High strength and high solid liquid un changed with the effects of chemicals, physical and bacterium.

### PROPERTIES :

PRODUCT PROPERTIES	RAPIDSTRONG GROUT PU
Appearance	Light yellow transparent liquid
Specific Gravity (at 20oC	1.07 + 0.03
Viscosity ( cps at 25o)	210
Toxicity	Non toxic
Flammability	Non flammable
Gel time (min)	0.6 to 0.8 Min

## APPLICATION AREAS :

- Ideal to use for solidifying and strengthening the ground and also to stop the oozing water in all civil construction works.
- Ideal to use as a soil and abutment stabilization.
- Ideal for leakproof treatment for under ground basements, retaining walls from negative pressure.
- Its solidifies and creates a water barrier in earth filling segments and rock areas.
- Its ideal to use for solidifying the structures against waste water industrial / chemical waste, sewage / sludges.

## APPLICATION METHODOLOGY :

**RAPIDSTRONG GROUT PU** : is a grout as a single component through low pressure hand –operated pumps, in specific conditions high pressure pumps may be used for which the special packers / nipples are required.

**RAPIDSTRONG GROUT PU** : grouts to the pores it reacts with water and expands to form a fluid wedge and blocks the leakages. High pressure of leakages can be sealed without it being necessary to block the hydraulic pressure. Due to the low viscosity and expansion during reaction even to the smallest cracks. Fissures and pores can be impregnated.

Since the chemical reaction is very quick the result are immediately visible. When water is not naturally present in sufficient quantity to assure the desired reaction, a sufficient quantity of water is also required to be injected.

**PACKING :** 1, 5 & 25 Kgs.

**STORAGE :** Store in dry conditions out of sun.

**SHELF LIFE :** 1 Year from the date of manufacturing

Whilst **ARMSTRONG CHEMICALS PVT. LTD.** strives to ensure that any advice, information or recommendation given are appropriate and correct. It cannot accept any liability directly or indirectly arising out of the use of products since the method and place of application of the products are beyond its control.



**Manufacturers :**

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