

insta care AQUA SEAL ARP+

Water Proofing & Repair

Hi Performance Latex

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Apollo Paints Insta Care Aqua Seal ARP+ is a modification of (SBR Latex) supplied as a ready to use bonding agent in the form of liquid.

PERFORMANCE FEATURES:

Aqua Seal ARP+ is a strong bonding product for both old & new concrete plasters. Aqua Seal ARP+ is highly recommended for repairs of cracked/disintegrated concrete surfaces. It minimizes shrinkage, prevents cracking & improves abrasion resistance.

USP:

- ✓ Flexural Bonding - Prevents cracking even after it is dry.
- ✓ SBR Latex - Lessens drying & aging shrinkage cracks.
- ✓ Excellent bonding - Strength to all major concrete surfaces.
- ✓ Excellent Dilution Agent - A very good dilution agent for grouting work by providing easy fluidity & bonding.
- ✓ Slurry Coat - Highly useful as a layer for pinhole concrete surface.
- ✓ Enhances erosion resistance & reduces corrosion.



USAGE AREA:

- ✓ Concrete surface - repairs of cracked concrete floors, columns, beams, slabs, etc.
- ✓ Terraces, toilets & bathrooms - as water proofing.
- ✓ Claddings - fixing of tiles, stones, marbles, etc.
- ✓ Bonding surface - for masonry stone works, new concrete to old concrete & plastering.

AVAILABLE PACK:

1 Liter



SURFACE PREPARATION:

- ✓ Clean the surface preferably with wire brush to remove loose particles, dirt, etc. If any oily surface found, degrease the surface by using suitable solvents.
- ✓ Widen the spalled/cracked surface by cutting the edges of the repair section to a depth of at least 10mm for better bonding.
- ✓ Where ever breaking is not possible, clean the surface to free from any contamination & roughen the surface for better adhesion.
- ✓ For priming of concrete substrate, the surface should be thoroughly soaked with clean water. Attn; remove excess water prior to application.

Recommend mixing proportions of Aqua Seal ARP+ for various conditions:

FOR MORTAR REPAIRS & RENDERS:

Mixing ratio - Portland cement 50 Kgs, washed sand 150 Kgs, Aqua Seal ARP+ 10 to 15% by weight of cement (approx. 6 to 7.5 Kgs) & water 10 Ltrs.

FOR WATER PROOFING COAT:

Mixing ratio - For every 1 kg/ltr Aqua Seal ARP+, Portland cement 1.5 Kgs. (Ratio of ARP+ 1:1.5 Portland Cement)

- ✓ Thoroughly mix for 2 to 3 minutes to avoid air entrapment. Keep on slowly adding cement to Aqua Seal ARP+ until you get the required consistency.
- ✓ Apply 2 coats of the mix within a span of 4-6 hours on the prepared concrete substrate.
- ✓ Overlay the coating with a protective level to the desired slope & thickness.

Coverage: As a water proofing coating - 22 to 25 Sq. ft/ kg in 2 coats.

FOR BONDING PRIMER CONSISTENCY:

Mixing ratio - For every 1 kg/ltr Aqua Seal ARP+, Portland cement 1 Kg. (Ratio of ARP+ 1:1 Portland Cement)

- ✓ Apply by brush a single continuous coat of the mix on the prepared concrete substrate.
- ✓ Ensure to overlay the repair mortar while the bond coat is still tacky.

Coverage: As a bonding agent - 45 to 50 Sq. ft / kg per coat.

FOR FLOOR SCREED & PCC:

Mixing ratio - Portland cement 50 Kgs, washed sand 75 Kgs, 6mm downsize coarse aggregate 75 Kgs, Aqua Seal ARP+ 6 to 7.5 Kgs & water 10 Ltrs.

CAUTION:

- ✓ For a thorough mix of Portland cement & Aqua Seal ARP+ mortar of large quantities, a forced action mixer (pan mixer) is compulsory. Use a suitable sized drum with heavy duty electrical drill machine fitted with spiral paddle mixer at slow speed of 400-500 rpm.
- ✓ Hand mixing is accepted only for 25kg or less quantity.
- ✓ Charge the mixer with required quantity of clean & dry sand/coarse aggregate & cement, mix for 1-2 minutes, and then add the recommended dosage of Aqua Seal ARP+ dispensed in water in the recommended ratio, mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding water until the required consistency is achieved.

PRECAUTIONS & LIMITATIONS:

- ✓ Recommended dosage to be compulsorily followed to achieve desired results.
- ✓ While working in hot temperature conditions, a little extra water may be added to the repair mortar to compensate for the evaporation loss and make the mortar workable.

Ready Reckoner Mixing Ratio Using Apollo Insta Care Aqua Seal ARP+ for Various Application Systems.

| | | | | |
|---|--|--|---|--|
| 1 | MORTAR REPAIRS & RENDERS | PORTLAND CEMENT – 50 KGS WASHED SAND – 150 KGS WATER – 10 LTRS | APOLLO INSTA CARE AQUA SEAL ARP+ 6 – 7.5 KGS | MORTAR CONSISTENCY 5 – 25 mm THICKNESS |
| 2 | WATER PROOFING COAT | PORTLAND CEMENT – 50KGS | APOLLO INSTA CARE AQUA SEAL ARP+ 10 KGS | BRUSHABLE CONSISTENCY |
| 3 | BONDING PRIMER | PORTLAND CEMENT – 50 KGS | APOLLO INSTA CARE AQUA SEAL ARP+ 15 KGS | BRUSHABLE CONSISTENCY |
| 4 | FLOOR SCREED & PCC | PORTLAND CEMENT – 50 KGS GRADED & WASHED SAND – 75 KGS COARSE AGGREGATE (6mm DOWNSIZE) – 75 KGS WATER – 10 LTRS | APOLLO INSTA CARE AQUA SEAL ARP+ 6 – 7.5 KGS | MORTAR CONSISTENCY 10 – 40 mm THICKNESS |
| 5 | SLURRY FOR PIN HOLE TREATMENT & GROUTING | PORTLAND CEMENT – 50 KGS WATER – 5 LTRS | APOLLO INSTA CARE AQUA SEAL ARP+ 5 KGS | SLURRY CONSISTENCY |

TECHNICAL DATA:

| PROPERTIES | RESULTS |
|---|--|
| NATURE | MILKY WHITE, TRANSLUCENT, FREE FLOWING LIQUID |
| TYPE | SBR LATEX (STYRENE BUTADINE RUBBER LATEX) |
| TOTAL SOLIDS % BY MASS @ 105°C | 38 ±1 |
| pH Value | 7.7 |
| Sp. GRAVITY AT 27.5°C | 1.01 |
| COVERAGE (URP+: CEMENT IN 1:1.5 RATIO) IN 2 COATS AS A WATER PROOFING SLURRY COAT | 2 – 2.2 m ² FOR THE MIX OF 1 KG OF AQUA SEAL ARP AND 1.5 KG OF CEMENT |

Shelf Life & Storage: Best before 12 months from the date of manufacture when in sealed pack & stored in a cool & dry place away from direct sunlight.

SAFETY MEASURES:

- ✓ Keep out of reach of children and away from eatables.
- ✓ Please refer to the product related MSDS which is available on request.
- ✓ May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- ✓ Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- ✓ In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- ✓ Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- ✓ Do not pour leftover paint down the drain or in water courses.
- ✓ No added Lead, Mercury or Chromium compounds.

PRECAUTIONS

- ✓ Do not apply when ambient temperature is less than 10°C or if the temperature might drop to this level within 4 hrs of application.
- ✓ Do not apply when humidity is greater than 90%. It may cause prolonged drying time of paint and moisture condensation on the walls.
- ✓ In high humidity areas, use of a Bio-wash solution is recommended to remove surface fungus growth, fungal spores, mould, etc. before application of the paint system.
- ✓ Stir well & strain before use. Tinted paints need thorough shaking immediately after tinter added as well as before use.
- ✓ For best performance, ensure that the surface is dry. The moisture level on the wall should be less than 16%. If the moisture level is more than the recommended level. Find out the source of water and address it before painting.
- ✓ Use diluted materials within 48 hours
- ✓ Keep the left-over paint container tightly closed to prevent drying.

SPECIAL NOTE *

Before painting the following things should be checked thoroughly:

1. pH value of the wall surface (Ideal condition between 7-10).
2. Moisture content of the wall (Ideal condition –below 10-12%).

If these are violated, Company will not be responsible.
*As per test conducted at Apollo R&D.

DISCLAIMER:

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on suitability of products meeting their requirements prior to full scale usage of our products. Since the correct identification of problems, quality of other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results arising from the use of our products.