

PRODUCT DATA SHEET

PRODUCT NAME

Raymix – Isobond (PVA Bonding Agent)

MANUFACTURER

Société Raymond Barakeh SAL.
Bauchrieh, Industrial City, Sector 7, 40 – Street 86
Ph. 00961 1 690594 www.barakeh.com Beirut – Lebanon.

DESCRIPTION

Raymix - Isobond is a water base synthetic liquid emulsion with a specially modified poly vinyl acetate resin which formulated for use in buildings as a general purpose adhesive, additives to concrete, plasters and as a universal bonding agent.

It is used as a universal adhesive for repairs, etc... to:

- ❖ Asbestos.
- ❖ Bricks.
- ❖ Carpets.
- ❖ Cement
- ❖ Ceramics.
- ❖ China.
- ❖ Cork.
- ❖ Fabrics, Textiles.
- ❖ Glass.
- ❖ Gypsum.
- ❖ Joinery.
- ❖ Leather.
- ❖ Linoleum.
- ❖ Masonry.
- ❖ Metals.
- ❖ Paper.
- ❖ Quarry and roofing tiles.
- ❖ Slates.
- ❖ Stonework.
- ❖ Wallboard.
- ❖ Wood.
- ❖ Zinc etc...

APPLICATION

Raymix - Isobond may be applied by :

- Brush.
- Roller.
- Spray Gun.
- Soft Broom etc...

Wash the used tool thoroughly with clean water immediately after use.

When Raymix - Isobond is used as an adhesive, the bond should be made whilst it is still wet and tacky.

PRE-APPLICATION

As with any coating, surface preparation is essential for a successful application. The surface must be structurally sound and clean, which means free from dust, dirt, oil and efflorescence.

Raymix - Isobond must be applied only to clean surfaces, dry and exempt from greasy, oily substances or any product which may cause a barrier of adhesion between adhesive and surface.

On new concrete

It is important to determine whether the form release and/or curing compound can be coated. Refer to producers MSDS.

POST-APPLICATION

After applying the bonding agents, there should be a clean, uniform film over the entire surface.

Care should be taken to protect surrounding surfaces. While still wet, PVA bonding agents can be removed with hot water—the hotter the better. Once dried, PVA films are difficult to remove and may require solvents, mechanical abrasion; heat and/or very exotic chemicals to do so.

FEATURES & BENEFITS

- ✓ Multipurpose adhesive and bonding agent
- ✓ Bonding between two phases of concreting
- ✓ Repair of joint spalling
- ✓ Admixture to spatter-dash key slurry
- ✓ Repairs of toppings
- ✓ Economical
- ✓ Easy to apply
- ✓ Chloride free
- ✓ Reduces permeability
- ✓ Provides higher mechanical properties
- ✓ Excellent resistance to ageing.
- ✓ Excellent resistance to damp.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Total Solids	50%
Plasticizer Content	10%
Viscosity at 25°C.	45 – 60 MPa.s
pH	8 – 9
Boiling point	100°C
Specific Gravity @ 25°C	1.040 – 1.100
Flammability	Non-Inflammable
Odour	Slight
Colour	White liquid dry to clear

The information and data given is to the best of our knowledge reliable, but is given without obligation.

CONSUMPTION

ISOBOND by Part	WATER By Part	TYPICAL USES	APPROX. COVERAGE
Full Strength	0	Sticking non-porous surfaces such as: ✓ Glass. ✓ Formica. ✓ Metal etc... ✓ Sealing Rope Ends.	10 m ² /Litre
1	1	✓ Joinery. ✓ Wood. ✓ Paper & Card Adhesive. ✓ Emulsion Paint's Additive. ✓ Binding Carpets. ✓ Base for Plastic woods/fillers.	22 m ² /Litre
1	2	✓ Primer for non-porous surfaces. ✓ Slurry Coat Additive.	27 m ² /Litre
1	3	✓ Bonding Agent. ✓ Repair Mix. ✓ Filler Additive. ✓ Bitumen Sealer. ✓ Wallpaper Solution. ✓ Stabilising Solution.	35 m ² /Litre
1	5	✓ Admixture to Plaster. ✓ Admix.to Sand-Cement Renders ✓ Primer and Sealer Coat on: - Concrete. - Plaster.	45 m ² /Litre
1	10	✓ Admixture for Plastic Screeds. ✓ Primer on extra porous surfaces.	55 m ² /Litre

The information and data given is to the best of our knowledge reliable, but is given without obligation.

WARNING

Raymix - Isobond **can not bond**: PVC, ABS, Thin Rubber and Polythene.

Raymix - Isobond **should not be used** under conditions where continuous running water is encountered.

APPLICATION PROCEDURES

Instruction for use

Surface must be structurally sound, clear, free of dust, loose material, laitance and other contaminants. Saturate the s

For repairing damaged concrete or plaster:

Be sure to saw cut the surface till reaching sound surface. Surfaces should be saturated with water to avoid possible backwater at the moment of casting. Before applying the screed for repairing, apply always the anchorage mortar to assure a perfect adhesion to the old cement support. Do not let the anchorage mortar dry but cast fresh on fresh.

Cement Rendering on Smooth Concrete:

Make a conventional dry mortar. Mix 1 volume Raymix - Isobond with 3 volumes of water, with this mix the mortar to the required workability of a rendering mortar.

Key coat is made of (water + Raymix - Isobond) at ratio 1 : 3.

Cement Screed Underlay Key Slurry:

Mix Raymix-Isobond and water 1 : 2 in volume. Use this solution to prepare a slurry with cement and coarse sand in the proportion of 2 liquid mix : 1 cement : 2 sand by weight. Apply slurry on the slab uniformly with a brush or trowel.

Topping Mortar:

Mix Raymix-Isobond and water in the proportion 1:3 in volume. From this solution prepare an earth moist mortar for the screed. Apply the screed mortar on the slurry to the required thickness, before the slurry dries up. Strongly float the screed on the slurry while still wet and level the surface.

As a General Adhesive:

After surface preparation, apply a thin film of ULTRABOND PVA over both faces and allow becoming tacky (20 to 30 minutes). Bring the surfaces firmly together, position as required, wipe off any excess and allow setting for 24 hours.

Surface Sealing for Porous & Dusting Concrete Sub-Floors:

Mix 1 part of Raymix-Isobond with 5 parts of water, apply 2 coats of the solution and when dry, a final coat of a solution prepared by mixing 1 part of Raymix-Isobond with 3 parts of water must be applied.

Minor Repair Work:

Mix mortar (1 part cement with 1 part sand) with a solution consisting of 1 part Raymix-Isobond and two parts of water, and apply with a trowel (use fine sand).

Plaster Bonding:

Seal the surface by applying a bonding coat (1 Raymix-Isobond with 1 water) then apply the plaster on to the tacky surface.

HEALTH AND SAFETY

- Wear overalls, gloves, goggles to avoid any contact with eyes and skin.
- In case of splashes in the eyes wash abundantly with warm water and consult a doctor.
- Inhalation of spray must be avoided.
- Splashes must be washed off before drying.
- Wash all brushes, etc... with water.
- Never discharge into drains.
- Protect from frost at all times.

APPLICABLE STANDARDS

ASTM C-932, BS 5270 Part 1 & 2.

PACKAGING

Raymix - Isobond is supplied in 5, 20, 25, 125, 210 litres, free non-returnable containers.

STORAGE

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

TECHNICAL SERVICE

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact:

Société Raymond Barakeh SAL
P.O.Box 119737 – Beirut – LEBANON

Phone : 00 961 1 690594 – 3 260989

Fax: 00 961 1 690594

E.Mail : info@barakeh.com

Http://www.barakeh.com

PRODUCT WARNING

Société Raymond Barakeh SAL has no control over the use or storage of this product and therefore does not accept any liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice, therefore all applicators should ensure they have current information. This product is intended for the use only of skilled tradesmen and where applicable, statutory licensed tradesmen experienced and trained in the use of this product. This product is warranted to be of uniform quality within the manufacturer's tolerance. This manufacturer has no control over the use or misuse of this product, therefore no warranty rests or implied, is or can be made either as to the effects of such use. The manufacturer's obligations shall be limited to replacing product proving to be defective.

