



HP-40

Two Component High-Performance,
Impact Resistant, Durable Wall Finish
for Squash Courts

Pack Size
25Kgs

TDS Technical Data Sheet



Product overview

HP-40 is a high-performance, two-part plaster system designed to provide a durable, impact-resistant finish for squash court walls. It meets international standards for squash court surfaces, offering excellent protection against the intense physical demands of the sport. The product comes in two components: Part A (20 kg) and Part B (5 kg), which must be mixed before application.

Key Features

- **Two-Part System:** Ensures enhanced durability and ease of mixing.
- **High Impact Resistance:** Specifically formulated for squash court environments.
- **Smooth Finish:** Delivers a seamless and professional appearance.
- **Strong Adhesion:** Bonds well to concrete and masonry surfaces.
- **Durability:** Resistant to cracking, chipping, and flaking, even under heavy impact.
- **Low Maintenance:** Offers long-lasting performance with minimal upkeep.

Recommended Uses

- Squash court walls in professional and recreational environments.
- High-impact areas in gyms and sports facilities.
- Suitable for new or refurbished concrete and masonry surfaces.
- Ideal for areas subjected to frequent physical impact.

Application Guidelines

Surface Preparation: Ensure surfaces are clean, dry, and free of dust, oil, and loose particles. Repair cracks or defects prior to application.

Mixing Instructions:

- Mix Part A (20 kg) with Part B (5 kg) using a mechanical mixer for 3-5 minutes until a uniform consistency is achieved.
- Follow manufacturer guidelines for correct mixing ratios.

Application Method:

- Apply the mixed plaster with a trowel, maintaining an even coat. Multiple layers may be applied, allowing each coat to dry before proceeding (recommended thickness: 10-12 mm).
- Finish with a smooth trowel for a seamless surface.

Curing: Allow at least 7 days for curing before heavy use. Avoid water exposure or impacts during this period.

Finishing: Once cured, lightly sand the surface for a smooth finish.

Technical Specifications

Composition: Cementitious blend with performance additives (Part A) and liquid hardener (Part B).

Mixing Ratio: 20 kg (Part A) to 5 kg (Part B).

Recommended Thickness: 2-3 mm per coat.

Compressive Strength: ≥ 30 MPa.

Flexural Strength: ≥ 7 MPa.

Impact Resistance: Designed to withstand squash ball impacts and equipment wear.

Pot Life: 1-2 hours after mixing.

Coverage: 4-4.5 m² per 25 kg kit at 3 mm thickness.

Health and Safety

- Wear appropriate personal protective equipment (PPE), such as gloves and a dust mask, when handling and applying the product.
- Avoid inhaling dust during mixing and application; ensure adequate ventilation.
- In case of skin or eye contact, rinse immediately with water and seek medical advice if necessary.

Packaging and Storage

Packaging: Two-part system - Part A (20 kg) and Part B (5 kg) in sealed containers.

Storage: Store in a cool, dry area, away from direct sunlight and moisture.

Shelf Life: 6 months from the date of manufacture in unopened containers stored under recommended conditions.

Pack Size

5Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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