

PRODUCT PROFILE

HI-SOL | TECHNICAL DATA

DESCRIPTION

Hi-Sol is a high shine, quick-dry, liquid floor polish based on a zinc crosslinked acrylic polymer emulsion. The product is formulated to offer an excellent balance between cost and performance. Hi-Sol further possesses outstanding wear, anti-slip and detergent resistance, good levelling and recoatability. Hi-Sol is primarily formulated as a self-shining liquid polish for use on low porosity natural and artificial stone, PVC, linoleum and rubber floor coverings.

Hi-Sol is ideally suited for hospitals, shopping centres and other high traffic areas.

APPLICATION PROCEDURE

- Always apply to a small test patch before applying Hi-Sol to the whole area.
- Brush floor area to remove all foreign objects.
- Clean the floor area with a suitable detergent (Supremo) or stripper (Waxmove or SuperStrip).
- Rinse well with clean water and allow the floor to dry.
- Ensure the surface is completely clean.
- Apply 1st coat Hi-Sol with an applicator (40–55m² /litre) and allow the floor to dry (30 min).
- Apply subsequent coats depending on traffic and finish required.
- Allow at least 1 hour after final coat before walking on the coated surface.

Non-Ammoniated Stripper:

AlkaStrip (Econo)

SuperStrip (Premium)

Ammoniated Stripper:

Waxmove (Econo)

PowerStrip (Premium)

Neutral Detergent:

Super Green (Medium)

Supremo (Premium)

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Product evaluation based on SABS 1042-1976 specification

Characteristic:	SABS Specification:	Hi-Sol
Appearance	Stable free-flowing non-corrosive dispersion	Pass
Solid content	Minimum 13%	23.98%
pH	6.0 – 10.0	8.16
Flow and levelling	Flow readily and levelling	Pass
Odour	Not unpleasant	Pass
Drying time	< 30 minutes	Pass
Gloss 1 st coat	45	57.4
2 nd Coat	60	80.7
3 rd Coat		86.9
4 th Coat	70	90.0
Recoatibility	4 th coat specular gloss at 60° must be less than the 3 rd coat.	Pass
Powdering	Coating shall not flake or powder.	Pass
Resistance to detergent	Film undamaged and specular gloss to be within 10 units of original value after 100 cycles.	Pass
Removability	Complete removal after 100 cycles.	Pass

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Durability	Not more than 1 failure per panel (4 repeats) after 2000 cycles.	Pass (4/4)
Slip resistance	Minimum 700kg.	797kg
Freeze/Thaw stability	No viscosity changes after 1 cycle.	Pass
Heat stability	No viscosity changes at 50°C after 30 days.	Pass

Refer to the MSDS for the safety and handling precautions.

KEEP OUT OF REACH OF CHILDREN.