

HS10 Primer

Version No.1

Revision Date: 17/03/14

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DESCRIPTION

HS10 is a primer and surface activator designed to improve adhesion of HS Hybrid sealants and adhesives to difficult to bond to or 'low surface energy', non-porous, substrates.

KEY FEATURES

Easy, liquid application.

For use with non-porous substrates.

Primer for powder coated materials.

Surface activator for LSE plastics.

Pretreatment of uncoated metals.

Fast drying.

For use with HS Hybrid products.

For use in markets such as: leisure, transportation, industrial and construction.

USES

Suitable for many substrates including; PE, PP, ABS, PVC, PVCu, Nylon/Polyamide, Styrene, Styrene capped ABS and ASA.
To non-porous uncoated metals such as; Copper, Brass, Aluminium, Tin, Zinc, Steel, Anodised Aluminium and Lead.
HS10 can also be used with other non-porous materials including; Glazed Tiles and Epoxy Resin.

LIMITATIONS

Important note; due to variations in substrate composition it is required that adhesion trials are carried out prior to use. We strongly recommend that preliminary tests are carried out. Please contact the technical services dept for assistance.

Not suitable for use with strong alkaline surfaces.

Can cause environmental stress cracking of polycarbonate or polyacrylate materials. Preliminary tests are required.

PERFORMANCE

Base technology: Solvent borne mixture of silanes and reactive siloxanes.

Density: 0.76g/ml.

Colour: Clear.

Flash point: 9°C

Ignition temperature (liquids): 420°C

Kinematic viscosity: 1.00 mm²/s.

APPLICATION

PROPERTIES

Application temperature range: + 5°C to + 30°C

Shelf life: 12 months

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INSTRUCTIONS

Surface preparation: All surfaces must be clean, dry and free from frost, grease and loose materials. All surfaces should be cleaned with Isopropyl Alcohol prior to the use of the primer.

Application: In order to avoid contamination of the can and preserve the life of product, do not apply directly from the can as supplied. Please transfer as much primer as will be required in a short work period into a smaller glass or metal container, replace the lid on the 500ml can the primer is supplied in. The primer should be applied to give a thin film using a clean cloth, brush or other suitable tool. Do not over apply the product, one thin coat is sufficient. HS10 requires humidity in the air in order to form a consistent film which adequately adheres to the substrate, cooler less humid conditions will extend this period, more humid conditions will reduce the time required. Application of the sealant / adhesive can be as soon as the solvent has evaporated (5 mins), a period of between 1 to 2 hours should be considered, the time between applying the primer and applying the sealant / adhesive should not exceed 5 hours in order to avoid loss of adhesion. In any case; the surface should be kept free from any contamination that may interfere with adhesion during this time.

EQUIPMENT

A selection of hand & air operated guns are available for cartridge and/or sausage application including a high power type especially suitable for filling deep voids.

PACKAGING

500ml Tins – 6 per box.

HEALTH AND SAFETY

Flammable, contains organic solvents and other components with health concerns and occupational health limits. Consult the Product Safety Data Sheet for further information before use.

GENERAL

HS10 is part of a full range of speciality sealants, adhesives and ancillaries designed for the professional user. For further information please contact our Customer Care Team or visit our Website.

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.