



PAINTS

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## PRODUCT NAME

**Synergy® CS15**

TECHNICAL DATASHEET

## PRODUCT DESCRIPTION

CS15 is a very high performance, single component, spray finish. The main properties include very fast drying, excellent adhesion to non-porous substrates and a finish which is tough, hardwearing, chip and scratch resistant within a very short period of time.

CS15 due to its excellent adhesion properties is recommended for use on PVC and other plastic substrates i.e. polypropylene/polyethylene. CS15 also exhibits excellent adhesion to many other substrates including metal. CS15 is suitable for internal or external applications and has very good outdoor weathering properties.

Application of CS15 is easily achieved using a conventional spray gun and due to its excellent opacity even at low film thickness; the coverage rates obtained are much higher than most competitive paint systems. CS15 is a non-flammable, non toxic; water based paint with a very low VOC content and meets all current and anticipated future environmental legislation.

CS15 can be applied direct to plastic and will be touch dry within one hour and scratch resistant after 24 hours. It is highly recommended that the substrate is sanded prior to coating to give optimum adhesion and durability.

## GENERAL FEATURES

For use as a protective / durable coating for plastic finishing and maintenance applications, where a tough finish combined with long term durability are required in a single coat.

## MAIN BENEFITS

- Excellent adhesion to plastic and other non porous substrates
- Hardwearing and superior chip and scratch resistance.
- Extremely durable.
- Very rapid drying.
- Good UV resistant.
- Excellent opacity even at low film builds.
- Excellent coverage rates.
- Very competitive per sq metre.
- Water-borne, environmentally friendly with low odour.
- Easy to apply with a conventional spray gun.
- Available in any colour.
- Single pack.
- Very low VOC.

## TECHNICAL PROPERTIES

Density (S.G.)	Approx. 1.02 – 1.08 kg / l (Depending on colour)
Solid Content:	Approx. 35 – 45% volume solids
Recommended film thickness	25 - 75 µm dry 50 - 150 µm wet
Coverage Rate	20 m <sup>2</sup> /litre at 25µm DFT depending on the method of application
Recoat Time	Allow 24 hours before recoating. (There is no maximum recoat time)
Colours	Available on request
Gloss	Semi Gloss



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## SURFACE PREPARATION

For New Plastic Panels

Surfaces should be free of grease, oil, salts and other contamination before application.

Surfaces should be sanded prior to coating using an orbital sander.

## DRYING TIME

Drying times at 20°C, 65% relative humidity, wet film thickness of 60 microns and good air flow:

Dust dry	20 minutes
Tack Free	30 minutes
Touch Dry	45 minutes
Full Cure	48 hours

At lower temperatures, higher humidity or high wet film thickness, then drying time will be extended.

## APPLICATION EQUIPMENT

Best application is with a conventional air assisted spray gun. CS15 can also be applied using airless or HVLP spray equipment. The paint is not suitable for brush or roller application please contact HMG for a suitable alternative.

## THINNERS

Water

## PRETESTING

A patch trial is recommended to ensure suitability and desired result. Apply test area according to the application procedures.

## MIXING

One pack system. Stir well before use.

## APPLICATION CONDITIONS

Min ambient temperature:	10°C
Min substrate temperature:	10°C
Max substrate temperature:	40°C

## APPLICATION INSTRUCTIONS

Follow substrate preparation instructions.

Do not apply if the air or substrate is below 10°C whilst applying and until the coating is fully through dry. Water-borne coatings should not be applied in conditions of high humidity.

Do not apply where there is a risk of rain, fog or other precipitation before the coating is fully through dry. Apply with a medium pile roller or good quality brush.

Ensure the wet film thickness does not exceed recommended levels.

After a minimum of 24 hours, apply a second coat if required.

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**CLEAN UP**

Equipment should be cleaned immediately with cold water  
Dried paint may be removed with aromatic or oxygenated solvents.

**STORAGE**

Store between 5° and 30°C.  
Maximum storage period is 6 months in original containers.

**PACKAGING**

Packed in 10 litre containers.

**SAFETY INFORMATION**

Wear suitable protective clothing. Avoid splashing to bare skin and eyes. Always refer to the Health and Safety Data Sheet before use.

**Technical Data Sheets are also available on our website at [www.hmgcoatings.co.uk](http://www.hmgcoatings.co.uk)**

ALL MATERIALS SHOULD BE STIRRED AND CHECKED FOR COLOUR AND SHEEN BEFORE USE. NO CLAIMS FOR DISCREPANCY OF COLOUR OR GLOSS CAN BE ACCEPTED AFTER USE. INFORMATION CONTAINED ON THIS DATA SHEET IS TO THE BEST OF OUR KNOWLEDGE TRUE AND ACCURATE AND IS GIVEN IN GOOD FAITH, BUT WITHOUT WARRANTY, SINCE THE APPLICATION, USE AND PROCESSING OF THE PRODUCT IS BEYOND OUR CONTROL.