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PAINTS

## PRODUCT NAME

**Synergy™ BD Rapid**

Technical Datasheet

## Packaging

Available in 500ml, 1, 2½ & 5 litre tins and 25 & 200 litre drums.

## Product Function

BD Rapid represents a new generation of fast drying synthetic enamel. All BD Rapid paints give a flash point of 25-32 degrees C, and therefore are not subject to the Highly Flammable Liquids or Petroleum Regulations.

BD Rapid offers a speed normally only associated with paints of much lower flash point.

BD Rapid combines an excellent wet edge time, thus giving brushability, but will touch dry in only 30 minutes. This brushability is just not possible with normal competitive industrial enamels (which are normally thinned with Xylene). In general competitive White Spirit thinned synthetic enamels are much slower drying than BD Rapid.

BD Rapid gives excellent gloss and exterior durability, toughness and adhesion.

Typical uses include vehicle finishing/refinishing, high quality industrial equipment, agricultural machinery etc.

The good resistance to oils, fats and greases makes BD Rapid ideal as a general purpose machinery enamel of the highest quality.

## Technical Information

Solids:	Approximately 40 to 50% dependent on colour	Touch dry:	30 minutes
Flashpoint:	25°C to 32°C	Firm dry:	1 hour
Specific Gravity:	0.89 to 1.20 approximately dependent on colour	Hard dry:	4-6 hours
Viscosity:	2.6 -3.0 poise @ 25°C	Thinners:	For use with ThinElectro or Thinsyn
Storage:	12 months in original sealed containers	Overcoating:	Wet on wet or after 8 hours
		Eqp. cleaning:	For use with ThinElectro or Thinsyn
		Film thickness:	50 microns WFT gives approximately 20 microns DFT
		Coverage:	10 square metres per litre (theoretical)
		VOC:	490g/l approximately

## Colour Range

BS4800, BS2660, BS381C & RAL shades. All other colours can be matched by arrangement. A range of sheens are available

## Thinners

For use with ThinElectro or Thinsyn



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## Special Properties

Fast drying with good brushability.

## Preparation

Surfaces should be dry, clean, free from grease, millscale, rust, oil and all other contaminants, use HMG LT Degreasing Thinners. For non-ferrous metals an HMG Etch Primer should be used. HMG offer many suitable primers, fillers and undercoats including: HMG Universal Non-Cell Primers, HMG Synthetic Primer Zinc Chromate, HMG Synthetic Primer Zinc Phosphate, etc. For advice on any particular substrate please contact HMG Technical Department.

## How to Use

- |  |   |  |  |
|--|---|--|--|
| <input checked="" type="checkbox"/> Airless            | <input checked="" type="checkbox"/> Brush | <input type="checkbox"/> Electrostatic | <input checked="" type="checkbox"/> HVLP                 |
| <input checked="" type="checkbox"/> Conventional Spray | <input type="checkbox"/> Dipping          | <input type="checkbox"/> Roller        | <input checked="" type="checkbox"/> See Application Data |

## Application

BD Rapid can be applied by brush conventional, hot or airless spray.

Brushing: Use as supplied do not overwork, reduce if necessary with up to 10% HMG White Spirit for larger areas.

Spray: Thin to approximately 40 secs. B4 Cup, using approx 10% HMG Spray Thinners 75. Spray using any conventional matched spray equipment.

Apply 1 dust coat followed by 2 full wet coats allowing a short flash off between coats. For very large panel areas HMG White Spirit may be used as a thinner to give an extended wet edge time.

Airless & Hot Spray: No thinning normally required high film builds are possible by spraying 1 mist coat followed by 1 full coat. Contact HMG Technical Service for any specific advice.

## Health and Safety

- Refer to health and safety data sheet and tin label prior to use.
- The product contains white spirit and presents an aspiration hazard.
- Respiratory equipment should be used when spraying.

**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.