



Zinc spray

Scotch 1617

1. Product description

Scotch 1617 zinc spray is a quick-drying zinc dust corrosion protection primer based on selected binders with a very high metallic zinc content.

The zinc spray is a primer for all metal parts in which an above-average corrosion protection is required and adheres to almost all metals, it results in a smooth non-porous primer layer and is re-paintable without any further primer.

Due to the good conductivity, the zinc spray is also suitable as a spot welding paint, Scotch 1617 adheres very good to iron and steel and is resistant to heat up to 500°C, as well as against weathering, moisture and salt water and thus an ideal primer for endangered metal structures.

2. Applications

The Zinc Spray Scotch 1617 is used in steel and plant construction, in welding technology, in mechanical engineering, shipbuilding, equipment construction, in body construction, as well as in many other industrial applications and is suitable as permanent rust protection and as a primer for endangered metal parts.

The substrate must be dry, free from oil and grease (*) and free of dust, loose deposits and rust. An optimal pretreatment of the substrate is sandblasting.

Shake the can intensively for approx. 2 minutes before use, until the stirring ball is clearly audible.

In our experience, a layer thickness of 60 - 80 µm is sufficient for optimum corrosion protection.

At room temperature (approx. +16°C - 25°C) at a distance of 20 - 25 cm crosswise coated on the surface (vertical / horizontal). In order to achieve the aforementioned layer thickness, two crosswise layers must be applied, after the first layer let the coating dry, then apply the second layer.

* **Note:** Prior cleaning with Scotch 1626 (cleaning and degreasing spray) or Scotch 1625 (special contact cleaning spray) is recommended.

Insert Company
address
before issue

Reference: AABCC03907#EN 02

© 3M 2018 All Rights Reserved.

Issue date 09.05.2018
Supersedes new

3. Typical properties

- Primer for all metal parts where above-average corrosion protection is required.
- Adhesion to almost all metals
- Good electrical conductivity, therefore also suitable as spot welding paint
- Fast drying
- Can be painted over
- Provides a smooth, pore free primer layer

3.1 Technical information

Color	dark gray
Temperature resistance	up to 500°C
Moisture absorption	no
Propellant	butane/propane
Zinc content in dry film	92%
Pure zinc	>99%
Drying time at room temperature	dust dry after 8min after 20-30 minutes grip after 120 min re-paintable dried after 48 hours
Salt spray test: 800/80µ acc.DIN EN ISO9227	after 800 hours -> no infiltration
Mandrel bending test acc. DIN EN ISO1519	diameter 20mm -> no cracking
Crosshatch acc. DIN EN ISO 2409	Gt 0-1

3.2 Container size

400ml

4. User Information

4.1 Storage

This product has a 2-year shelf life from date of manufacture, stated on the can, when stored in a humidity controlled storage (10°C to 27°C and <75% relative humidity).

4.2 Safety note

Container is under pressure. Protect from sunlight and protect at temperatures above 50°C. Scotch 1617 is highly flammable and should not be sprayed in flames. Only use the can when spraying vertically, do not incline more than 30°. The zinc spray should not be inhaled, for good ventilation is to ensure.

Protect skin and eyes, use appropriate personal protective equipment.

Insert Company
address
before issue

Reference: AABCC03907#EN 02

© 3M 2018 All Rights Reserved.

Issue date 09.05.2018
Supersedes new

5. Additional information

To request additional product information, see address below.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

All questions of warranty and liability relating to 3M products are governed by the terms of the respective sale subject, where applicable, to the prevailing law.

3M is a trademark of the 3M Company.

Insert Company
address
before issue

Reference: AABCC03907#EN 02
© 3M 2018 All Rights Reserved.

Issue date 09.05.2018
Supersedes new