

Spray System 7140

Isocyanate H

DESCRIPTION

Spray System 7140 is a thermo-acoustic two-component Polyurethane System comprising polyol, and isocyanate. The system is "in situ" sprayed and open cell low-density rigid foam (8-10 g/l) with acoustic absorption properties is obtained.

Spray System 7140 system does not contain ozone depleting blowing agents.

COMPONENTS

COMPONENT A: Mixture of polyols, containing catalysts and flame-retardants.

COMPONENT B: PMDI (polymeric diphenyl methane diisocyanate) .

USES

The **Spray System 7140** system is applied with a high-pressure spray equipment, which is heating outfitted, with a mixing ratio of 1:1 in volume. The applications can be the improvement in acoustic insulation to airborne noises for building enclosures such as partition walls, as well as for filling building cavities and cracks.

Application advantages:

- Total suppression of acoustic and thermal bridges. This system does not present joints or gaps since it is a continuously applied product.
- Good adherence to the substrate. Nor glues or adhesives are needed for its installation.
- Mobility. It is possible to get quickly to any site without having to transport or store bulky products like other acoustic and/or thermal insulating materials.

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CONDITIONS OF USES

Before being loaded into the machine, component a **Spray System 7140** must be homogenised for 5 - 10 minutes in a suitable mechanical mixer.

During the application it is important to avoid the excessive overlapping of the successive sprayings that are necessary to cover the surface. This reduces means the irregularities in the sprayed surface and the thickness is better controlled.

During the application and depending on the weather conditions, certain quantities of steam forming white clouds could be released from the foam. These vapours do not involve any risk to human health. In any case, it is recommended to ventilate the area before proceeding with the work in order to avoid high vapour concentration that may result uncomfortable.

The recommended hoses temperature is in the range of 40-50°C depending on the weather conditions. The minimum recommended substrate temperature during spraying is 5°C.

COMPONENTS CHARACTERISTICS

Characteristics	Units	H	Spray System 7140
Specific weight 25°C	g/cm ³	1.23	1.10
Viscosity 25°C	mPa.s	230	250
NCO content	%	31	-

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SYSTEM SPECIFICATIONS

Test beaker measurements at 22°C at the indicated mixing ratio and according to our Standard Test (MAN-S02).

MIX RATIO A / B : **100/110 ± 5** per weight
 100/100 per volume

Characteristics	Units	Spray System 7140
Cream time	s	4 ± 1
Gel time	s	6 ± 2
Free density (351 ml cup)	g / l	20± 2
Applied density	g / l	9± 1

STORAGE RECOMEMNDATIONS

Components A and B are sensitive to moisture, and must be stored in hermetically sealed drums or hermetic containers. Storage temperature must be kept between +15°C and +25°C. Avoid lower temperatures that may build up crystallizations in the isocyanate, as well as higher temperatures that may alter the polyol and produce swelling of the drum.

Properly stored, the shelf life is 4 months for the Component A (polyol) and 9 months for the Component B (isocyanate).

SAFETY RECOMMENDATIONS

Properly handled **Spray System 7140** system does not present significant risks. Avoid contact with eyes and skin. The instruction given in the Safety Data Sheet must be followed during the manufacturing and handling of the system.

SUPPLY

Normally, **Spray System 7140** is supplied in non-returnable steel drums. For component A drums of 50 litres (50Kg) and 230 litres. (225kg). For component B drums of 50 litres (50 kg) and 230 litres (250 kg).

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