

ARKAZ SPR220

Spray applied polyurethane foam system

DESCRIPTION

ARKAZ SPR220 is spray applied rigid polyurethane foam system, designed for wall insulation, roof insulation and other similar applications, **ARKAZ SPR220** is compatible with most of foam spray machines, providing excellent flow, good density distribution, high adhesion, good dimensional stability, and the material is flame retardant to slow fire spread.

USAGES

- Meat and Fish freezers
- Fresh Fruit and vegetables storages
- Ultra-low temperature cold storages
- Workshops and building roofs
- Cryogenic tanks
- Automotive bumpers and interior parts
- Can be used as an adhesive

ADVANTAGES

- Spray applied and fast setting makes it easy to apply vertically without any problems
- Low thermal conductivity
- Low water absorption
- Good dimensional stability
- Seamless shows no joints after during application
- Good flame retardant
- Easy to repair
- Excellent adhesion strength
- Suitable for all climates

TECHNICAL DATA

ARKAZ SPR220

Typical values

Mixed Appearance

Yellow to Brown

Density @25°C
(GB/T6343-2009)

1.10 g/cm³

Viscosity A & B
(ASTM D4878)

200 & 400 mPa.s

Water content

2%

Free Rise Density

27 – 30 kg/m³

Application Density

40 – 45 kg/m³

Initial Thermal
Conductivity

≤ 0.025 W/m.K

Cream Time

4±2 seconds

Gel Time

8±2 seconds

Tack Free Time

8 – 10 seconds

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease & oil.

2. Priming

The use of a primer is generally not required when using **ARKAZ SPR220**. However, in the areas where high porous surfaces exist, it is recommended to apply a coat of **PIOPRIME 38** to enhance **ARKAZ SPR220** bond with the chosen substrates.

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Coverage

1.8 kg/1m²/3 cm thick

3. Application

Start spraying continuously the prepared areas without any interruption to avoid material curing in the static mixer nozzle which causes blockage of flowing liquid dispensed from hose.

In case of vertical application, upward direction spray is recommended.

Any utility penetration or cavity existing to be foamed first, wait until the foam is cured then cover the area properly with the required thickness.

It is advised to stir each component separately prior to application to ensure optimum consistency of the foam when sprayed.

Each layer spray must not exceed 1.5 cm spray thickness, to achieve the required thickness, make sure each spraying layer is done on a cured previous layer. It is recommended to use two coats of **CONGUARD RFG** over **ARKAZ SPR220** as a UV protective coat if required.

4. Cleaning

Any cured materials should be removed from tools, equipment, and spraying device mechanically.

PACKAGING

ARKAZ SPR220 is supplied in set, component A & B.

- **A** 220 kg (Polyol blend)
- **B** 250 kg (Polymeric MDI)

HEALTH & SAFETY

Before applying **ARKAZ SPR220** all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents, and for additional protection wear one-piece coveralls suit & a respirator to avoid inhaling any of the sprayed foam.

If **ARKAZ SPR220** is splashed to skin, it must be washed off by water and soap at once, and if to the eyes seek medical attention immediately.

STORAGE & SHELF LIFE

Keep **ARKAZ SPR220** dry and in shaded place of a temperature range 15°C - 25°C, shelf life of the material is 6 months.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
concretedoctor@arkaz.com

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