

Product Information:

MS Construction 299

All-round phthalatfree fast curing high strength adhesive

General description and typical applications:

MS Construction 299 is a neutral phthalatfree construction adhesive, which cures by reaction with the humidity of the air. Forms a hard, but elastic joint, which has a movement capability of +/- 20 %.

MS Construction 299 is odourless, fast curing, and has a remarkable resistance to climatic influence.

MS Construction 299 is suitable for a number of applications, f.ex. mounting of mirrors, panels, acoustic boards, tiles, front edges of stairs etc. The adhesive is also suitable for jointing / sealing in connection with bodywork, glass doors, sunroofs etc, where hard and resistant joints are required. Very good adhesion to glass, aluminium, expanded polystyrene, rigid PVC and most building materials.



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Physical / chemical properties:

Adhesive:

- Type: MS-hybride polymer, 1-component
- Contains fungicide: No
- Consistency: Tixotropic
- Shelf life: Minimum 12 months in tightly closed packing if stored cool.
- Packaging:

Item no	Size	Colours
53700	75 ml tube	Transparent
53701	290 ml cartridge	White

Cured adhesive:

- Paintable: Yes
- Hardness: Approx. 50 Shore A
- Tensile strength: Approx. 2,3 N/mm² (DIN 53 504)
- Maximum movement accommodation: +/- 20 %
- Elongation at break: Approx. 500 % (DIN 53 504)
- Resistance: Temperature: Approx. -40 °C to +90 °C
Climatic ageing: Good
Good resistance to water, seawater, aliphatic solvents, oil, grease, diluted organic acids and bases. Not resistant to concentrated acids, nor chlorinated organic solvents.



Directions for use:

- Preparation:** *All surfaces must be clean, dry, free of grease, dust and loose particles. MS Construction 299 can be used on surfaces like bricks, concrete, wood, glass, most metals, most painted surfaces and most plastics.*
- In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before starting - in particular larger - applications.*
- Application temperature:** *Can be applied at temperatures from +5 °C to +40 °C.*
- Application:** *MS Construction 299 is applied in lines at the substrate or at the materials to be bonded, in distances of 5 - 20 cm, depending on required strength. Some applications might require special techniques, always follow the instructions from the supplier.*
- Yield:** *2 – 3 m²/cartridge, depending on dimensions and required strength.*
- Assembling time:** *5 – 20 minutes, depending on the type of substrate, materials and temperature.*
- Assembling:** *The materials are pressed carefully to the substrate.*
- When mounting heavy materials, or for special applications, it might be necessary to support the materials during the curing process.*
- The adhesive will cure at a speed of approx. 2 mm/ day, depending on moisture and temperature.*
- Mounting of mirrors:** *The adhesive is applied in vertical strings with approx. 10 cm distance. The mirror should be supported for 2 days after mounting.*
- Mounting of acoustics boards:** *MS Construction 299 is applied in 4 strings at the backside of the board. The board is then mounted with a firm pressure. Normally additional support is not necessary.*
- Cleaning:** *Tools can be cleaned - and adhesive removed - with f.ex. heptane or white spirit. Cured adhesive can only be removed mechanically. Hands should be washed with water and soap.*

Safety:

Hazard symbols: *None*

For further information, please refer to Safety Datasheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences, and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

**DANA LIM A/S - KØBENHAVNSVEJ 220 - DK-4600 KØGE – DENMARK – INFO@DANALIM.DK
PH. (+45) 56 64 00 70 - TELEFAX (+45) 56 64 00 90 - TECHNICAL SERVICE PH. (+45) 56 64 00 75**

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