Data Sheet Xcel AGA

Product Description

XCEL AGA is a flexible single-part, sealing car window adhesive for permanent adhesion with very high holding power. The new MS Polymer technology combines the properties of traditional products such as polyurethane, silicones and acrylates. XCEL AGA is a solvent-free, green product. XCEL AGA has a drive away time without primer of 1 hour.

Fields of Application

XCEL AGA can be easily applied using a hand or air gun at temperatures between +5ºC and +35ºC. The speed of application can be accelerated by heating to a maximum of +70ºC. After the application of XCEL AGA the screen must be adhered within 15 minutes. A clean, dry and dust-free surface is required for good adhesion. Ceramic coated layers as well as closed surfaces such as aluminium, coated steel and polyester should be removed. Tools can be cleaned and other residues can be removed using XCEL SDC.

Main Benefits

- *Durably elastic.*
- *High absorption of acoustic vibrations.*
- *Dries very fast.*
- *Very high resistance to UV radiation.*
- *Permanently elastic at temperatures between -40 and +120.*
- *Low electrical conductivity.*
- *Useable without primer.*
- *Even curing.*
- *No air bubble formation.*
- *Excellent chemical resistance.*
- *Isocyanate-, solvent- and silicone-free.*

Available forms:

- *Cartridge 290 ml*
- *Sausage 600 ml*

Colour:

- *Black*

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Properties	Specification
Material	Polymers
Curing method	Moisture
Specific gravity	Approx. 1.4g/ml
Skin formation time	Approx. 10min. (20°C/50% R.H.)
Open time	< 15mins. (20°C/50% R.H.)
Curing speed after 24 hours	Approx. 3mm (20°C/50% R.H.)
Shore A hardness	Approx. 65 (DIN 53505)
Volume change	> 3% (DIN 52451)
Green strength	Approx. 1800 Pa (Physica Rheometer MC100)
Electrical volume resistance	> 10^11 Ωcm (DIN53482)
Tensile stress (100%)	Approx. 2.1 MPa (DIN53504/ISO37)
Elongation at break	Approx. 2.9 MPa (DIN53504/ISO 37)
Breaking strain	Approx. 225% (DIN53504/ISO 37)
Shear stress	Approx. 2.5. MPa (DIN 53283/ASTM D1002)
Crack propagation	Approx. 13 N/mm (DIN 53515/ISO 34)
E-Modulus (10%)	Approx. 4.3 MPa (DIN53504/ISO37)
Solvent percentage	0%
Isocyanate percentage	0%
Temperature resistance	-40°C to +120°C
Temperature resistance	+180°C (maximum ½ hours)
Application temperature	+5°C to +35°C
UV- and weather resistance	Very good

Storage And Safety:

The shelf life is 18 months in the original unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +30°C.

Avoid skin and eye contact. For further safety information see the corresponding Safety Data Sheet.

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