

Technical data sheet

M01C14 – Adhesive resin

Description

- Resin type:** on polyester base filled with short glass fibers, contains a color indicator which shows the addition of peroxide.
- Specifics:** **M01C14** offers excellent flexibility and adhesive strength. Due to the high glass fiber portion high impact strength is guaranteed.
- Advantages:** **M01C14** is suitable as well as filler, for adhesion of polyester-/FRP-components, but also for removal of small defects in the laminate.
- Process:** Spattle process

Chemical and physical characteristics of adhesive resin M01C14

Characteristics	Typical values	Unit	Method
Appearance	blue		
Viscosity at 25°	high		
Gel time 25°C *	13	minutes	I.O.803
Density at 25°C	1.45	g/cm ³	I.O.805
Styrene content	19	%	
Shelf life **	3	months	I.O.809

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing

Addition of 1 – 2% MEKP 50.

The high thix. index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	5.8	N/mm ²	ASTM D 3163-01

All information contained in this data sheet are based on our technical and scientific knowledge, but buyer and user should make their own trials with our products under their own use conditions.

Technical data sheet

M01C31 – Adhesive resin

Description

- Resin type:** on polyester base filled with short glass fibers, contains a color indicator which shows the addition of peroxide.
- Specifics:** **M01C31** offers excellent flexibility and adhesive strength. Due to the high glass fiber portion, high impact strength is guaranteed.
- Advantages:** **M01C31** is suitable as well as filler, for adhesion of polyester-/FRP-components, but also for removal of small defects in the laminate.
- Process:** Spattle process

Chemical and physical characteristics of adhesive resin M01C31

Characteristics	Typical values	Unit	Method
Appearance	blue		
Viscosity at 25°	high		
Gel time 25°C *	12	minutes	I.O.803
Density at 25°C	1.45	g/cm ³	I.O.805
Shelf life **	3	months	I.O.809

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing

Addition of 1 – 2% MEKP 50.

The high thix. index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	4.5	N/mm ²	ASTM D 3163-01

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Technical data sheet

M01C57 – Adhesive resin

Description

Resin type: pre-accelerated UP adhesive resin, filled with short glass fibers, contains a color indicator which shows the addition of the catalyst;

Specifics: The resin recipe offers excellent flexibility and high adhesive strength and simultaneously high impact strength.

Advantages: **M01C57** is recommended for the adhesion of FRP moulded parts with gap filling characteristics. Due to its special product composition it offers good results at low costs.

Process: Spattle process

Chemical and physical characteristics of adhesive resin M01C57

Characteristics	Typical values	Unit	Method
Appearance	blue		
Viscosity at 25°	high		
Gel time 25°C *	15	minutes	I.O.803
Density at 25°C	1.50	g/cm ³	I.O.805
Shelf life	3	months	

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing

Addition of 1 – 2% MEKP 50.

The high thix. index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	5.0	N/mm ²	ASTM D 3163-01

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Technical data sheet

M01C59 – Adhesive resin

Description

- Resin type:** on polyester base, filled with short glass fibers, contains a color indicator, which shows the addition of peroxide.
- Specifics:** **M01C59** offers high flexibility and adhesive strength. Due to the high glass fiber portion high impact strength is guaranteed.
- Advantages:** **M01C59** is suitable as well as filler but also for adhesion of polyester components.
- Process:** Spattle process

Chemical and physical characteristics of adhesive resin M01C59

Characteristics	Typical values	Unit	Method
Appearance	blue		
Viscosity at 25°	high		
Gel time 25°C *	14	minutes	I.O.803
Density at 25°C	1.30	g/cm ³	I.O.805
Styrene content	19	%	I.O.809
Shelf life **	3	months	

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing:

Addition of 1 – 2% MEKP 50.
The high thix. index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	5.0	N/mm ²	ASTM D 3163-01

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Technical data sheet

M01M30G60 – Adhesive resin

Description

- Resin type:** on polyester base, filled with glass powder, contains a color indicator, which shows the addition of peroxide.
- Specifics:** **M01M30G60** offers high flexibility and adhesive strength. Due to the high glass fiber portion high impact strength is guaranteed.
- Advantages:** **M01M30G60** is suitable as well as filler but also for adhesion of polyester components. It can be ground excellently.
- Process:** Spattle process

Chemical and physical characteristics of adhesive resin M01M30G60

Characteristics	Typical values	Unit	Method
Appearance	light blue		
Viscosity at 25°	high		
Gel time 25°C *	65	minutes	I.O.803
Density at 25°C	1.480	g/cm ³	I.O.805
Shelf life **	3	months	

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing:

Addition of 1 – 2% MEKP 50.
The high thix. index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	5.6	N/mm ²	ASTM D 3163-01

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Technical data sheet

M01M60G20 – Adhesive resin

Description

- Resin type** based on flexible polyester resin, filled with glass powder
- Specifics:** **M01M60G20** is suitable for adhesion of polyester components but also as filler and for removal of defects on produced parts.
- Advantages:** **M01M60G20** is most suitable for building of superstructural parts for connection of rigid parts.
- Process:** Spattle process

Chemical and physical characteristics of adhesive resin M01M60G20

Characteristics	Typical values	Unit	Method
Appearance	pink		
Viscosity at 25°	high		
Gel time 25°C *	20	minutes	I.O.803
Density at 25°C	1.45	g/cm ³	I.O.805
Shelf life **	4	months	

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing:

Addition of 1 – 2% MEKP 50.

The high thix. index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off. The special formulation of this adhesive resin allows an easy putty coat.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	5.0	N/mm ²	ASTM D 3163-01

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Technical data sheet

M01S58 – Adhesive resin

Description

Resin type: Adhesive resin based on unsaturated polyester resin without addition of fibers. Ideal for spatle application.

Specifics: Due to its low shrinkage, the high flexibility and the low specific weight it is most suitable for the connection of carrier materials and sandwich structures. At the same time the weight can be reduced without reducing the adhesive characteristics.

Process : Spattle coating

Chemical and physical characteristics of adhesive resin M01S58

Characteristics	Typical values	Unit	Method
Appearance	blue		
Viscosity at 25°	high		
Gel time 25°C *	20	minutes	I.O.803
Density at 25°C	0.95	g/cm ³	I.O.805
Shelf life **	3	months	

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing

Addition of 1 – 2% MEKP 50.

The mixing is made by hand with spatle

Due to the color indicator the addition of peroxide is shown.

The high thixotropic index allows the working also on vertical areas problem-free also with higher layer thickness, without draining off.

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Technical data sheet

M08S24G60 – Adhesive resin

Description

- Resin type:** based on iso-neopentyl-glycol without fiber filler, contains a color indicator which shows the addition of peroxide.
- Specifics:** **M08S24G60** offers high adhesive strength and guarantees a good connection to FRP and PVC.
- Advantages:** **M08S24G60** is especially distinguished by its low specific weight. It can be coated in high layer thickness. The hardened product is grindable very well.
- Process:** Spattle coating

Chemical and physical characteristics of adhesive resin M08S24G60

Characteristics	Typical values	Unit	Method
Appearance	blue		
Gel time 25°C *	60	minutes	I.O.803
Density at 25°C	0.62	g/cm ³	I.O.805
Shelf life **	3	month	bla

* Adhesive resin 200g + 2% MEKP 50

**The adhesive resin must be stored in original packages, sealed, undamaged, dry, at a temperature of 5°C and 25°C.

Processing:

Addition of 1 – 2% MEKP 50.
The high thixotropic and the low viscosity allow high layer thickness without any influence on the working ability.

Mechanical characteristics of the hardened product

Characteristics	Typical values	Unit	Method
Bonding strength	4.0	N/mm ²	ASTM D 3163-01

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Technical data sheet

AVANTI 2K-Universal putty



AVANTI 2K-Universal putty is a white-yellow, flexible putty for the professional use as filler and fine putty in one working step.

It is suitable for FRP, metal, wood, cement a.s.o. for filling of holes and rough nesses – for filling of pre-treated surfaces whilst repairing car body parts, metal surfaces, repair and restoration of wood- or cement surfaces.

Technical data:

grindable after about 10 to 20 minutes
drop time at 20°C: about 4 - 5 minutes
burning point about 33°C
density at 20°C: 1.66 g/cm³
temperature resistance of the hardened material to about 160°C
resistant against acids, bases, expanding agents, dissolvent, water and de-icing salts.

Mixing ratio:

100 portions Universal putty with 2 - 3 portions hardener

Working instruction:

- ▶ Steel- or aluminum sheets, galvanized resp. zinc-plated must be degreased and ground before use
- ▶ On zinc-plated sheets the putty must dry 1-2 hours before grinding
- ▶ Prevent too much hardener and mix homogeneously.
- ▶ Hardened remains may not be stored in tins
- ▶ Polyester-putty does not harden at temperatures below 5°C

Storage-recommendation:

Protect the product of frost and intensive effect of heat • the storage temperature should be between +15°C and +25°C • the max. shelf life is 12 months at cool and dry storage in unbroached condition.