

# Technical Data Sheet

## 201 Super Metal Filler Compound

**UNIGRIP**  
DANTECH ELITE COMPOSITES

### General Description

A quick-hardening solvent-free two component filler compound based on epoxy.

### Characteristics:

- Solvent-Free – 100% solids formulation with no shrinkage.
- Non-Conductive – Provides reliable electrical insulation.
- Simple Mixing – 1:1 ratio by weight or volume.
- Rapid Curing – Fast hardening for emergency repairs and reduced downtime.
- High Mechanical Strength – Excellent compressive and structural performance.
- Strong Adhesion – Bonds effectively to metals and epoxy-compatible composites.
- Temperature Resistant – Maintains performance under elevated temperatures.
- High Durability – Resistant to corrosion, chemical attack, abrasion, and erosion.
- Water-Tolerant – Cures in dry, wet, humid, and fully submerged environments.
- Machinable – After curing, can be sanded, drilled, machined, and tooled like metal.
- Short pot life.

### Applications

- Designed to level out irregularities in steel, metal, concrete, wood, and stone substrates..
- Sealing of cracks and holes.
- Finishing filler compound.
- For filled gluing/bonding of parts.

### Technical properties

- Density Mixed product: • Approx. 1.6 kg/dm<sup>3</sup> at 20°C (DIN 53217)
- Solid content: • 100 volume percent (= 100 weight percent)
- Mixing Ratio: • Component A: 50 parts by weight / volume  
• Component B: 50 parts by weight / volume
- Potlife: • Approx. 20 minutes of 100 gram of mixed product at 20°C
- Theoretical spreading rate: • Approx. 0.62 m<sup>2</sup>/kg (=1.0 m<sup>2</sup>/ltr) at 1 millimeter layer thickness.
- Practical spreading rate: • Approx. 1.6 kg/m<sup>2</sup> at 1 millimeter layer thickness.  
(Depending on the conditions of the substrate and method of application, etc.)

### Drying time (20°C / 65% R.H.)

- Wet in Wet applications • After approx. 30 min (Allow approx.30 minutes between layers before applying the next layer)
- Dust-free: • After approx. 1 hour
- Re-Coatable<sup>3</sup>: • After approx. 1 hours (recommend wet in wet applications)
- Sandable: • After approx. 6 hours

Shear adhesion on steel • Peak tension: 34.413 (N/mm<sup>2</sup>)

Dyna pull on steel N/mm<sup>2</sup> • 7.2 (N/mm<sup>2</sup>)

Dyna pull aluminum N/mm<sup>2</sup> • 3.3 (N/mm<sup>2</sup>)

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### Systems:

#### Works on substrates such as:

- Steel, metal, GRE, Fiberglass and other composite materials Concrete and other stony substrates, and wood.

#### Substrate conditions:

- The substrate must be clean, dry, grease & dust-free and comply with the standard applicable conditions and requirements.

#### Remark:

- Remark: Treatment and the system of choice must be tailored to the technical capabilities and requirements of the application. For an optimum result a thorough inspection and a technical advice may be required

#### Availability:

- Colour: Beige
- Appearance: Glossy
- Packaging: 1 kg set

#### Shelf life and storage:

- Store in well closed original packaging, cool, dry & frost free
- Shelf life At least 24 months in the original packaging.

#### Safety Aspects:

#### Flash point:

- Component A: >65°C (DIN 53213)
- Component B: >65°C (DIN 53213)

#### Precautions:

- Ensure sufficient ventilation during application and curing.
- Avoid skin contact by using the appropriate protection like gloves, safety glasses, safety shoes, safety clothing, protective creams, etc.
- Do not apply with open fire. No smoking. See also the instructions on the label of the product

#### Safety Measures:

The national legislation for health & safety, environment will apply for the user. Please consult the latest version of the Material Safety Data Sheet of this product.

This product information might be subject of change due to inevitable product modifications. Please consult our Technical service department for the most recent version of the Technical data sheet.

Previous versions of this Technical data sheet are no longer valid.

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### Technical Data Continued

	E (N/mm <sup>2</sup> )	Peak (N)	Tension peak (N/mm <sup>2</sup> )	F Crack (N)	Tension break (N/mm <sup>2</sup> )	Displacement peak (mm)	Displacement break (mm)
Compressive strength	571.64	11351	67.58	11531	67.58	0.514	0.514
Tensile strength	4204.4	710.97	23.276	691.98	22.648	1.243	1.243

Heat Resistance	Dielectric strength Kv/mm
248 °F (120 °C)	10

Tested Acc. To:	
Hardness	ISO 868
Tensile strength	ISO 4624
Compressive strength	ISO 527
Adhesion to steel	ISO 4624
Density mixed products	DIN 53217
Taber test - average wear index	ISO 7784-2
Flash point component	DIN 53213