



## GRANDFLASH Crystal

### A Two Part Acrylic Adhesive, Transparent



**GRANDFLASH Crystal** is a two part transparent acrylic adhesive with a low odor and a medium viscosity, with a very good resistance to crack and vibration.

Open time is approx. 3 min., press time is approx. 5 min. Curing time: 24 hour. Temperature resistant from -40 up to +80 ° C.

**GRANDFLASH Crystal** glues various materials quickly, firmly and permanently and totally invisible seam.

**GRANDFLASH Crystal** characterized by good bonding strength with the layered materials such as PDCPD (Telene®), viniloester, epoxy resins and glass reinforced plastic, epoxy resin, with the majority of synthetic polymeric materials and metals, steel and aluminium. Slight heat during thermal reaction allows bonding especially of thin materials. Thus, for example, when bonding facade structures of the material Alucobond® there are no surface damage.

**GRANDFLASH Crystal** is ideal for bonding components of small and medium sizes. Perfect for bonding transparent surfaces (glass and transparent plastics), which is especially appreciated in the production of outdoor advertising lights, in the production of boxes, shelves, benches for reading, etc. Also suitable for bonding wood and stone. Very easy to use thanks to the packaging in syringes.

#### SPECIAL PROPERTIES (Uncured)

Resin (A)	Methacrylate Blend
Hardener (B)	Amine Accelerated Resin
Viscosity (A)	<7,000 cps
Viscosity (B)	<25,000 cps
Density (A)	0,99
Density (B)	0,98

Grand Flash GmbH ■ Mainblick 47 G, D-65779 Kelkheim ■ Tel. 0174 948 90 69 ■ [info@grandflash.de](mailto:info@grandflash.de)  
 ■ [www.grandflash.de](http://www.grandflash.de)



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Mix-Ratio	1:1
Flash Point	<12°C
Peak Exotherm	<89°C
Shelf life	12 months

#### SPECIAL PROPERTIES (Cured)

Gel Time	>3 minutes
Fixture Time	<5 minutes
Colour	clear
Gap Fill	0,5 mm max 0,25 mm – 0,5 mm typical

**GRANDFLASH Crystal** clear, low odour acrylic adhesive is a fast, medium viscosity gel, ideal for the bonding of clear plastics within the sign/display and shopfitting market.

**GRANDFLASH Crystal** combines the speed of the faster methacrylates with toughness, to enable bonding of similar and dissimilar materials which include most plastics.

#### TYPICAL BONDED PROPERTIES

(Test method ASTM D1002)

##### Metals:

Steel	<12N/mm <sup>2</sup>
Aluminium	<14N/mm <sup>2</sup>

##### Plastics:

Perspex®	<5N/mm <sup>2</sup>
Hard PVC	<5N/mm <sup>2</sup>
ABS	<4N/mm <sup>2</sup>

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## **GRANDFLASH Crystal** A Two Part Acrylic Adhesive, Transparent



Epoxy  
Phenolics  
PDCPD  
Polycarbonate

10N/mm<sup>2</sup>  
<7N/mm<sup>2</sup>  
<10N/mm<sup>2</sup>  
<3N/mm<sup>2</sup>

**GRANDFLASH Crystal** meets the regulations RoHs and WEEE

### **PACKAGING:**

14 pcs. á 25 g