

PU 2HK-N-FAST

Technical Data Sheet – February 2016

DESCRIPTION

PU 2HK-N-FAST is a two-component polyurethane adhesive that when cured creates a joint extremely strong and tough. This feature makes the adhesive suited for difficult bonding and load-bearing structures.

APPLICATION MARKET

PU 2HK-N-FAST is used for the assembly of reinforced polyester, galvanized sheet metal and / or painted, ABS, polycarbonate, composite. The adhesive also has excellent adhesion to aluminum thoroughly cleaned and degreased with cleaner. PU 2HK-N is over-paintable.

TYPICAL ADHESIVE CHARACTERISTICS

PHYSICAL PROPERTIES	Measure Unit	Part A	Part B
Viscosity	cps	50.000 / 80.000	50.000 / 80.000
Density	g/l	1.350 ± 50	1.700 ± 50
Mix ratio by volume		100	100
Mix ratio by weight		100	121

PRODUCT PROPERTIES	Measure Unit	Data
Working Time / Fix Time (5 mm – 20°C)	Min	8 - 10 / 20 - 25
Hardness (after 2 hours) ASTM D-676	shore D	65 - 75
Sliding	mm	< 1
Lap shear strength ISO 4587 1 Cycle: (60 min. 90°C + 7 days at A.T.)	MPa	18 (substrate failure)
➤ SMC/SMC		8
➤ Lam. cataphoresis / Lam. cataphoresis		10
➤ Lam. defatted / Lam. defatted		
Lap shear strength ISO 4587 1 Cycle: (10 min. 90°C + 30 min. at 140°C + 90 min. at 150 °C)	MPa	13 (substrate failure)
➤ SMC/SMC @ 23 °C		6
➤ SMC/SMC @ 80 °C		
Lap shear strength ISO 4587 3 Cycles: (8h at -45°C + 8h at +40°C in 98% H.R. + 4h at -45°C)	MPa	5,70
➤ Galvanized Parts		
Thermal conductivity	W / mk	0,60 – 0,65
Adherence ACI 503R	MPa	> 3,5
Exothermic Peak	°C	80
Thermal resistance	°C	- 40° / + 130°
Tensile elongation ASTM D-638 (UNI EN ISO 527)	%	25 - 35

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APPLICATION

Attach the static mixer to cartridge and two component dispense with manual or pneumatic gun.

The cartridge can be used for subsequent applications by replacing the mixer.

PACKAGING

Cartridge	400 ml
Bulk	24 Kg. Part A, 29 Kg. Part B

STORAGE AND SHELF LIFE

Storage Time	6 months since production date (15 - 25 °C)
Storage Temperature	Between + 5 °C e + 25 °C.

IMPORTANT NOTES

All information, technical information and recommendations contained in this document are based on reliable evidence, but we would ask you conduct using the product. The following must therefore be understood as a substitute for any warranty, express or implied.

A seller or manufacturer will be responsible only to replace such quantity of product that has been proven to be defective. Any claims for defective goods must be notified in writing to the seller within eight days of receipt. Neither the seller nor the manufacturer will be liable for any injury, loss or damage, direct or indirect, arising from the use or incorrect use of the product.

Before use, the customer must determine if the product is suitable for making sure that it will also match the data reported here tests performed by the same and assume all risk and liability of the seller and manufacturer.

No statement or recommendation not contained in this document shall operate or effect unless it appears an agreement signed by representatives of the seller or producer.

Since the manufacturer of the product described in this technical leaflet has no ability to control the end user of the product by the customer, the buyer and the seller an immediate, intermediate or sellers, competing to inform the customer uses to where the product is suitable and its properties, including the precautions that must be taken to ensure the safety of the user, other persons and property.