ADINOX®
METAL BONDING SOLUTIONS

Technical Data Sheet
ADINOX® A730
23/01/2025

Product

ADINOX A730 is a high viscosity, two component structural adhesive that does not require mixing or accessories for application, its reactive cure using ADINOX 787 activator offers the advantage of activation at will. A730 is a solution for applications where high impact resistance is required. It can be used on a wide range of materials using 787 Activator.

Its chemical base gives it excellent resistance to hydrocarbons, water, solvents, etc. It is low odor, low irritant and non-flammable

Applications

ADINOX A730 was developed for bonding ferrites in different conditions, mainly for electric motor manufacturing.It is also suitable for bonding stainless steel, carbon steel, aluminum, glass, ceramics, wood and a wide variety of plastics*.

Ideal for automotive components, sporting goods, electronic parts, tool handles, household appliances, computer assemblies, electrical components, etc.

* Consult engineering for any material not specified in this document.

Uncured physical properties

Composition:	Methacrylate ester
Appearance:	Clear amber liquid
Viscosity:	60.000 – 70.000 cPs
Flash point (TCC), °F	> 190
Specific gravity @ 77 °F	1.06
Open time @ 77 °F	5 minutes
Working time:	30-60 minutes

Cured Adhesive Properties

Slackfiller:	0,05–1,0 mm
Resistance to shear:	3,700 psi DIN 53283
Peeling resistance:	2 – 3 N/mm
Tensilestrength:	10–23 N/mm2 DIN 53288
Operating temperature °F:	122 to 248
Dielectric constant:	(MHz) 4.6 DIN 53483
Coefficient of thermal expansion:	80 x 10-6 ASTM D696 k-1
Coefficient of thermal conductivity:	0.1 ASTM C177, W.m-1k-1

Performance vs. temperature

Shear strength of steel after thermal aging for 1000 hours, % retention:

Temperature °F	Retention of strength %
203	114
257	122
300	138
410	94

Chemical resistance

Chemical	Temperature °F	Retention of strength%
Brake fluid	194	12
Gasoline	194	25
Engine oil	194	102
Antifreeze (Glicol)	194	112

Application conditions

1. All surfaces must be clean, dry, free of dust and grease. A result will be obtained when the surfaces have been sanded immediately before the application of the adhesive. Apply the adhesive on one side of the surfaces to be bonded.
2. For proper curing, the activator should be applied to one side of the assembly and the adhesive to the other side. Except when gaps are greater than 0.5 mm or a faster cure speed is required, the activator should be applied to both sides of the assembly. Once the adhesive has been applied, the assembly should be allowed to stand for a minimum of 15 minutes.

Excess adhesive can be solvent wiped off with isopropyl alcohol or acetone. The adhesive bond should be allowed to cure completely before being subjected to any structural loading.

Storage

Keeping the adhesive in a cool, dry place between 46 °F to 75 °F is recommended. For further details refer to the Material Safety Data Sheet (SDS).

Shelf life twelve months from the date of manufacture in the original container under optimun conditions.

Note: The data are provided for information purposes only and in accordance with the studies carried out, the data shown here are obtained following the application instructions and under optimum product conditions. We cannot assume responsibility for results obtained by others whose methods we do not control. It is recommended that the product be tested in the application for which it is to be used. For more information about this or any other product, please contact our technical area at info@adinoxadhesives.com It is important to properly follow the instructions for use specified on the label.