



DUNAPOL[®] AD 3153 MCP

Product Data Sheet



One-component, non-filled polyurethane adhesive.

Typical uses

Glueing of various materials.

The product is suitable for use with the following materials:

metals (steel, aluminum), expanded materials (polyurethane, polystyrene, phenolic, etc.), plastic laminates (fibreglass, PVC), wood, concrete, stone.

Component - DUNAPOL[®] AD 3153 MCP

Properties	Method	Test conditions	U.o.M.	Typical value
Density	ASTM D891	25°C	g/ml	1,10
Viscosity	ASTM D2196	25°C	mPa s	3000
Storage temperature			°C	10 / 35
Shelf life			Months	12
Appearance				Amber

Characteristics of reaction

Properties	Method	Test conditions	U.o.M.	Typical value
Minimum application temperature			°C	+10
Open time		25°C, film	h min' sec"	15' - 18'
Gel time			h min' sec"	30' - 35'
Press pressure		25°C	kg/cm ²	0,5 - 1
Press time			h min' sec"	1h - 1h 30'
Handling time			h min' sec"	2h - 3h
Complete Hardening			gg	5 - 7
Open time		25°C, 15-20% water spray	h min' sec"	10' - 12'
Gel time			h min' sec"	18' - 23'
Coverage rate			g/m ²	180 - 300
Suggested thickness			mm	0,1 - 0,3
Non volatiles			%	99,90



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Notes for use

The system hardens in contact with air humidity or by water spraying. Water spraying is required with non porous surfaces. If the surfaces are porous, water may be sprayed to speed up the reaction. The system also hardens in conditions of high humidity, provided that the surface temperature is not below the min. application temperature.

Surfaces can be wet, but they must be degreased and treated mechanically and/or chemically prior to application.

Do not dilute using solvents or other product. Pigment with water-free colouring pastes only.

For correct glueing, close contact between the adhering sides must be ensured until the system has hardened.

Although the manufactured piece can be manipulated after the handling time, its optimal mechanical properties are only achieved after it has completely hardened.

Remarks

The specified values reflect the typical properties obtained through laboratory testing under controlled boundary conditions, following internal methods, and they are in no way to be intended as sales specifications. They are based on the current knowledge and experience of DUNA-Corradini when products are stored, handled and applied in accordance with the recommendations contained in the Safety Data Sheet (SDS) or in the Information Sheet for safe use of the product.

It is the Customer's sole responsibility to verify the suitability of the product with the intended application and production process. It is also the Customer's responsibility to ensure that handling, storage and disposal take place in compliance with applicable laws and to ensure that the methods of application, personal protective equipment (PPE) and the workplace are suitable and compliant with the current regulations. For information relating to PPE, transport, storage and disposal of product residues, it is essential to refer to the SDS or the Information Sheet for safe use of the product.

The useful life time of the products refers to materials stored in their original packaging, well sealed, in closed and dry environments, at the recommended temperatures and away from direct radiation.

DUNA-Corradini declines all responsibility for direct and indirect damage to property or harm to persons of any type whatsoever, including loss of profits.

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