

DESCRIPTION

ARTCOAT PUR-200 FR is a reactive two component pure aromatic polyurea elastomer coating, 100% solids. The chemical is manufactured in two component parts and is mixed together at the point of application to create the high-performance elastomer. Once mixed, the resulting elastomer becomes solid in just seconds. This environmentally friendly process contains neither solvent (VOC), non CFCs. The fast reaction allows for multiple coats, adding up to any desired thickness during just minutes of repeated application, with no harm to the environment.

TYPICAL PROPERTIES OF THE COMPONENTS

DESCRIPTION	Component Isocyanate ARTCOAT PUR-200 FR A	Component Resin polyol ARTCOAT PUR-200 FR B
Appearance	Liquid	Líquid
Colour	Clear ambar	White
Mixing ratio	1	1
Freezing point	Less than 0°C (32°F)	N/A
Viscosity	775	400

TYPICAL PROPERTIES OF THE SYSTEM

PROPERTIES	RESULTS	TEST
Density @25°C (77°F)	1,1	ASTM D 792
Solids	100 %	
Volatile Organic Compounds	0 %	
Weather Resistance	Only slight loss of gloss in more than 1000 hrs in accelerated Weather. (1).	ASTM D 4329
Elongación	245 % ± 10%	ASTM D 412
Tensile strength	2003 psi ± 10%	ASTM D 412
Tear resistente (Die C)	67.3	D53515
Elcometer Adhesión	Concrete > 450 PSI	ASTM D 4541
Taber Abrasion, mg of loss/1000 cycles, 1000 gr	H-18 wheel 250 mg	ASTM D 4060

PROCESSING PARAMETERS

Components temperature machine & hoses	65°C - 77°C
Mixing Ratio (Side A/Side B), by Volume	1 / 1
Processing pressure	2000 psi - 3000 psi
Reactivity:	
Gel Time	5-8 seg
Tack-free	2-3 min

STORAGE AND HANDLING

A Side Component: Original containers must be kept tightly closed to prevent contamination with moisture and foreign materials, which can adversely affect processing. The A Side component will react slowly with water to form polyureas and liberate CO₂ gas, which may cause sealed containers to expand and rupture. Recommended storage temperatures between 24–40°C (75-104°F). Shelf life is 6 months when stored in closed, original containers at 25°C (77°F).

B Side Component: The B side component is hygroscopic and containers must be kept closed to prevent absorption of moisture, which can adversely affect processing. Storage should be maintained between 10-45°C (50-113°F). Shelf life is 6 months when stored in closed, original containers at 25°C (77°F).

HEALTH AND SAFETY INFORMATION

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling ARTCOAT PUR-200 FR A Side and B Side components. Before working with these products, you must read and become familiar with the available information on their hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g. material safety data sheet and product labels. Consult your ARTLUX EUROPA representative.

IMPORTANT INFORMATION AND SAFETY PRECAUTIONS

Liquid irritate skin and eyes. Use chemical goggles, protective clothing and rubber gloves when working with chemical components. Vapor and spray mists may be harmful. Use only with exhaust ventilation and a positive pressure air supplied full-face respirator. Do not use if you have chronic breathing problems or if you have had a reaction to isocyanates.

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since ARTLUX EUROPA cannot know all of the uses to which its products may be put or the conditions of use, it makes no warranties concerning the fitness or suitability of this products for particular use or purpose.

Users should thoroughly test any proposed used of the ARTLUX EUROPA products and independently conclude satisfactory performance in the application. Likewise, if the manner in which the product is used requires governmental approval or clearance, the user must obtain approval.

ARTLUX EUROPA warrants only that products will meet specification as noted. There is no warranty of fitness for use, nor any other express or implied warranties. The user's exclusive remedy and ARTLUX EUROPA sole liability is limited to refund of the purchase

price or replacement of any product shown to be otherwise than as warranted. ARTLUX EUROPA will not be held liable for incidental or consequential damages of any kind.

Suggestions of uses should not be taken as inducements to infringe any patents.

For more complete information on the use of ARTCOAT PUR-200 FR chemicals, please consult the ARTCOAT Safety Manual

Note: The information collected in this TDS may be modified based of possible variations in the formulations and in any case correspond to the current state of our knowledge and is given in good faith, yet without warranties about the final results since these depend highly on the working conditions, which are beyond our reach. This data does not exempt from performing the appropriate suitability tests of the product for every particular project. The present technical data sheet replaces any other TDS regarding this product with a previous date.

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