

Product description

Aqueous acrylic copolymer emulsion designed for air dry and forced air dry coatings for architectural and industrial applications

Applications

The polymer exhibits excellent adhesion to metal surfaces where residual oils, greases, and drawing compounds still remain. In addition, NeoCryl A-655 adheres well to many "hard-to-wet" plastics such as foamed polystyrene, polycarbonates, polyphenylene oxide (Noryl) and polysulfones. The unique properties of NeoCryl A-655 suggest its use as primers and top coats for engine enamels, rough metal castings, and plastics.

Form supplied

Form supplied is approximately 45% in water.

Specification

Property	Test Condition	Value	Unit	Standard
Non-volatile content	1g, 1hr, 130°C	44 - 46	%	GAP0001
Dynamic viscosity	LV, 1/30, 25°C	300 - 500	mPa·s	GAP0020
pH-value		7.5 - 8.3		GAP0016
Sediment	1:1 dilution	≤ 0.2	%	GAP0005
Sediment		≤ 0.1	%	GAP0005

Typical Values

Property	Test Condition	Value	Unit	Standard
MFFT		34	°C	GAP-0011
Density @ 25°C		+/- 1,09	g/ml	GAP0006

Solubility / thinnability

NeoCryl A-655 can be thinned with water.

Storage

The resin should be stored indoors in original, unopened and undamaged container in a dry place at storage temperature between 5- 40 °C. Exposure to direct sunlight should be avoided.

Storage time

Covestro represents that, for a period of 6 months (180 days) following the day of shipment as stated in the respective

transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately. The lapse of the 6 months (180 days) period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Covestro recommends to test such a product if it still meets the specifications or the set values. Covestro does not make any representation regarding the product after the lapse of the 6 months (180 days) period and Covestro shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the 6 months (180 days) period.

Health and Safety Information

Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. Information is available in several forms, e.g., in particular in the currently valid safety data sheets and product labels. For further information contact your Covestro representative.

[The Product Safety First Program | Covestro](#)

Disclaimer

General

The manner in which you use our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products to determine suitability for your processing and intended uses. Your analysis must at least include testing to determine suitability from a technical, health, safety, and environmental and regulatory standpoint. Such testing has not necessarily been done by Covestro, and Covestro has not obtained any approvals or licenses for a particular use or application of the product.

Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request.

All information and including technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed by you that you assume and hereby expressly release indemnify us and hold us harmless from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

Non Medical and non Food Contact

This product is not designated for the manufacture of a medical device or of intermediate products for medical devices (1). This product is also not designated for other specifically regulated applications (e.g. including cosmetics, plant protection, fertilisers, plant strengtheners, food processing, food contact and others). If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices or for other specifically regulated applications Covestro must be contacted in advance to provide its agreement to sell such product for such purpose. Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Covestro.

1) Please see the [Guidance on Use of Covestro Products in a Medical Application](#) document.



Sample

Any samples provided by Covestro are for testing purposes only and not for commercial use.

Typical value

These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values

Contact

Please use our [contact form](#) or contact us directly by sending an e-mail to technical-datasheets@cx.covestro.com .
