

Elevance Clean® 1200 Product Line

Introduction

The following tables convey the results of a broad compatibility study of Elevance Clean® 1200. The information provided below can be used as a guideline to assist in material selection pertaining to the preparation of blends and finished products, product packaging and application uses. It is advisable that materials' compatibility be verified by the user assessing Elevance Clean® 1200 or compositions containing Elevance Clean® 1200, under the actual circumstances for processing and/or cleaning.

The Elevance Clean® 1200 product line consists of two products containing the same active material. Elevance Clean® 1200XA is a cleaning ingredient without added fragrance. Elevance Clean® 1200HT is Elevance Clean® 1200XA with fragrance added. The technical performance of both products is identical.

Metals Compatibility¹

Alloy	100% Elevance Clean® 1200	20% Elevance Clean® 1200	5% Elevance Clean® 1200
Aluminum (Al2024-T3)	A ^a	A ^a	A ^a
Clad Aluminum (Al2024-T3)	A ^a	A ^a	A ^a
Aluminum (Al7075-T6)	A ^a	A ^a	A ^a
Clad Aluminum (Al7075-T6)	A ^a	A ^a	A ^a
Aluminum (Al5083)	A ^a	A ^a	A ^a
Galvanized Mild Steel (C1010)	A ^a	A ^b	A ^b
Galvanized Steel (G90)	A ^a	A ^c	A ^c
Stainless Steel (304L)	A ^a	A ^a	A ^a
Stainless Steel (316L)	A ^a	A ^a	A ^a
Admiralty Brass (CDA443)	A ^a	A ^d	A ^d
Copper (CDA110)	A ^a	A ^d	A ^d

Rating ²	Apparent Corrosion Rate (mmpy)	Rating ¹	Observations
A	± 10	a	No change
B	± 20	b	Speckled
C	± 30	c	More dull
-	-	d	Brighter

¹ ASTM F483-09 – Total Immersion Corrosion Test for Aircraft Maintenance Chemicals

² Boeing Document D6-17487 – Evaluation of Airplane Maintenance Materials

Elevance Clean® 1200 Product Line

Plastics Compatibility¹

Plastic	100% Elevance Clean® 1200 50 °C	20% Elevance Clean® 1200 50 °C	5% Elevance Clean® 1200 50 °C
Nylon	D	C	C
Low density polyethylene	D	B	C
High density polyethylene	B	B	B
Acrylic	D	D	D
Polyvinylchloride (PVC)	C	B	B
Chlorinated PVC	D	C	D
Polypropylene	B	D	D
Teflon	A	A	A

Rating	Criteria
A	No weight change
B	< 5% weight change
C	6-10% weight change
D	> 10% weight change

¹ ASTM D543-06 – Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents

Seal & Gasket Compatibility¹

Gaskets and Seals - 50 °C	100% Elevance Clean® 1200	20% Elevance Clean® 1200	5% Elevance Clean® 1200
Buna N	D	D	D
Fluoroelastomer (Viton®)	C	D	D
Silicone rubber	D	D	D
Red rubber	D	D	D
Nitrile rubber	D	D	D
Neoprene	D	D	D
EPDM rubber	D	D	D
Natural gum rubber	D	D	D
Fluoroelastomer (FKM)	C	D	D

Date Issued: June 2014

Revised: 07-13-2016

contact: CustomerService@elevance.com

Elevance Renewable Sciences / 2501 Davey Road / Woodridge, IL 60517 / 877-215-2795 / CustomerService@elevance.com

ALL INFORMATION, RECOMMENDATIONS OR SUGGESTIONS ARE PROVIDED BY ELEVANCE WITHOUT GUARANTEE OR WARRANTY, EXPRESS OR IMPLIED. ELEVANCE EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NONINFRINGEMENT OF THIRD PARTY RIGHTS.

Materials Compatibility

Elevance Clean® 1200 Product Line

Gaskets and Seals – RT	100% Elevance Clean® 1200	20% Elevance Clean® 1200	5% Elevance Clean® 1200
Buna N	D	D	D
Fluoroelastomer (Viton®)	B	D	B
Silicone rubber	D	D	D
Red rubber	D	D	D
Nitrile rubber	D	D	D
Neoprene	D	D	D
EPDM rubber	D	D	D
Natural gum rubber	D	D	D
Fluoroelastomer (FKM)	B	B	B

Rating	Criteria
A	No weight change
B	1-10% weight change
C	11-20% weight change
D	21% + weight change

¹ASTM D7216-09 – Standard Test Method for Determining Automotive Engine Oil Compatibility with Typical Seal Elastomers (ERS modification)

Formulations Tested

Ingredients, % by weight	100% Elevance Clean® 1200	20% Elevance Clean® 1200	5% Elevance Clean® 1200
Elevance Clean® 1200	100	20	5
Gerolon® SS-O-75	-	29	6
Lutensol® XP-89	-	7	2
Dowanol® DPM	-	4	-
Water	-	40	87

Date Issued: June 2014

Revised: 07-13-2016

contact: CustomerService@elevance.com

Elevance Renewable Sciences / 2501 Davey Road / Woodridge, IL 60517 / 877-215-2795 / CustomerService@elevance.com

ALL INFORMATION, RECOMMENDATIONS OR SUGGESTIONS ARE PROVIDED BY ELEVANCE WITHOUT GUARANTEE OR WARRANTY, EXPRESS OR IMPLIED. ELEVANCE EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE OR OF NONINFRINGEMENT OF THIRD PARTY RIGHTS.