

APEX 360 CLEANING LIQUIDS

CORROSION COMPATIBILITY TEST REPORT

Evaluation of Apex Clean Liquids
for daily rinsing of Anilox roll systems

OBJECTIVE

This test was carried out to evaluate whether Apex Clean Liquids attacks common materials used in Anilox roll cleaning systems. The assessment focused on steel, aluminum, brass, and rubber, which are representative of materials typically found in pumps, fittings, seals, and doctor blade chambers.

TEST CONDITIONS

Parameter	Details
Cleaning product	Apex Clean Liquids
Dilution ratio	1:4 (1 part Apex Clean Liquids to 4 parts water)
Exposure method	Static immersion of samples in prepared solution
Exposure duration	1 week (7 days)
Assessment method	Visual inspection for corrosion, swelling, discoloration, cracking, or surface

TEST CHEMICALS INCLUDED

Cleaning agents used during
corrosion compatibility testing
across all evaluated materials.

Apex Pro Clean
Apex Daily Clean
Apex Economy Clean
Apex Plate Clean WB

Apex Heating Tank Clean
Apex Plate Clean SB/UV
Apex Solvent/UV Clean
Apex GTT Cleaner
Apex Multi Clean

MATERIALS TESTED AND RESULTS

Material	Typical system use	Observation after 1 week	Result
Steel	Pump and mechanical components	No visible corrosion, staining, or surface degradation observed	PASS
Aluminum	Lightweight housings and structural parts	No oxidation, pitting, or adverse surface change observed	PASS
Brass	Fittings, connectors, and valves	No tarnishing or chemical attack detected	PASS
Rubber	Seals, gaskets, and flexible elements	No swelling, cracking, softening, or visible degradation observed	PASS

CONCLUSION

After one week of immersion in a 1:4 dilution of Apex Clean Liquids, all tested materials remained in acceptable condition. No evidence of corrosion, attack, or deterioration was observed on steel, aluminum, brass, or rubber.

Based on this result, Apex Clean Liquids is considered safe for the daily rinsing of Anilox rolls and is not expected to harm pumps, seals, fittings, or doctor blade chambers under the conditions represented by this test.

OVERALL ASSESSMENT: PASS

Apex Clean Liquids are compatible with the tested materials for the intended daily rinsing application.

APPROVAL

Prepared by:

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Approved by:

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sales@eu.apexinternational.com

www.apexinternational.com

Apex International

Metaalweg 8 • 5527 AK Hapert • The Netherlands

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