

Description

Adhesion promoter for the preparation of difficult-to-bond plastics. ADINOX® 770 is used with ADINOX C Series adhesives to promote adhesion on polyolefins and other low surface energy surfaces. It is only recommended for difficult-to-bond surfaces such as polyethylene, polypropylene, polytetrafluoroethylene (PTFE) and thermoplastic rubber materials. Not recommended for applications requiring high peel strength.

Physical Properties

Property	Value
Appearance	Clear liquid, light amber
Viscosity @ 77 °F	2 cP
Specific gravity	0.79
Flash point (TCC)	25 °F
Shelf life (unopened)	12 months @ 68 °F

Performance

Property	Value
Drying time @ 68 °F	30 sec
Fixture time (primed substrates)	<5 sec
On-part life	6 h
Full cure	24 h @ 71 °F

Directions for Use

- Apply an even coat of ADINOX® 770 on the surface to be treated by spraying, brushing or dipping. A single coat is recommended (multiple coats may reduce adhesion).
- Allow approximately 3 minutes drying time before applying adhesive.
- Apply ADINOX C Series adhesive to the primed surface. Bonding operations should be completed immediately after adhesive application.
- If both surfaces are polyolefin, apply primer to both. If only one surface is polyolefin, apply primer only to the polyolefin surface.

- If more than 6 hours have elapsed since primer application, reapply before proceeding with bonding.

Storage and Shelf Life

Parameter	Value
Optimum temperature	46 – 71 °F
Maximum temperature	82 °F
Shelf life (unopened)	12 months @ 68 °F

Store in original container, closed, in a cool, dry place. Protect from direct sunlight, heat, moisture and UV radiation. Do not return surplus product to original container.

Standard Presentations

Content
50 ml
500 ml

Clean Up

Condition	Method
Uncured (immediate)	Wipe with cloth dampened with heptane or hydrocarbon solvent.
Cured	Mechanical removal or suitable solvent.

UV Detection

The presence of ADINOX® 770 can be verified using a UV inspection lamp (365 nm).

Precautions

- Highly flammable liquid and vapor. Keep away from heat, sparks and open flames.
- May cause drowsiness or dizziness. Use in well-ventilated areas.
- May be fatal if swallowed and enters airways. Do not ingest.
- Very toxic to aquatic life. Avoid release to the environment.
- Do not use with pure oxygen or strong oxidizers.
- Refer to the Safety Data Sheet (SDS) for complete hazard information.

Pre-Testing Recommendation

The end user is solely responsible for verifying the performance of ADINOX® 770 under actual production conditions before commercial use. Compatibility testing with the specific ADINOX C Series adhesive and substrates is recommended before line implementation.

Legal Information and Disclaimer

Limitation of Warranty

The technical data and guidance contained in this Technical Data Sheet are derived from laboratory tests under controlled conditions. ADINOX does not warrant that these results will be reproduced under field conditions, since process, substrate and application variables are beyond its control.

The end user assumes full responsibility for evaluating the suitability of ADINOX® 770 for any proposed application. Recommendations do not constitute an express or implied warranty of fitness for a particular purpose.

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