

AC WOODLAK® Catalyst 20

Standard Grade Acid Catalyst for AC Lacquer Systems

Description

AC WOODLAK® Catalyst 20 is a standard grade acid catalyst designed for use with the Specialized Coating Systems AC lacquer range. Formulated with a fast-evaporating solvent blend, it is optimised for cold to warm ambient conditions and provides reliable crosslinking across all AC lacquer sheen levels.

This catalyst initiates the acid-catalysed crosslinking reaction in AC WOODLAK® lacquers, sealers and primers, delivering enhanced hardness, chemical resistance and durability to the finished film. Catalyst 20 is the default all-purpose grade and is recommended as the starting point for most wood finishing applications.

Intended Uses

- All AC WOODLAK® lacquers, sealers and primers
- Standard and rapid-cure lacquer systems in cold to warm conditions (10–25°C)
- Interior wood and furniture finishing
- Kitchen cabinetry, shopfitting, and joinery
- Sanding sealers and filler primers for AC systems

Features & Benefits

- **Fast Cure Development:** Rapid solvent release provides efficient through-cure in cool to moderate temperatures
- **Universal Compatibility:** Works across the full AC WOODLAK® range including (Y), (NY), (NY) Rapid, sealers and primers
- **Consistent Pot Life:** 8-hour working time at 20°C allows comfortable production scheduling
- **Low Addition Rate:** Only 5% by volume (20:1) in standard lacquers; 2.5% (40:1) in rapid lacquers
- **Proven Performance:** Delivers excellent hardness, adhesion and chemical resistance when fully cured

Technical Data

Property	Specification
Colour	Light brown
Product Type	Acid catalyst (solvent-borne)
Density	0.88 kg/litre
Mix Ratio (Volume)	20:1 (5%) in standard AC lacquers 40:1 (2.5%) in rapid AC lacquers
Pot Life	8 hours at 20°C
Viscosity	11–12 seconds FC4 (catalysed mix)
Flash Point	< 21°C (flammable)
Application Temperature	10°C – 25°C substrate temperature
VOC Content	Refer to SDS

System Compatibility

Only compatible with Specialized Coating Systems AC WOODLAK® lacquer products:

- AC WOODLAK® (Y) Lacquer – Clear & Pigmented
- AC WOODLAK® (NY) Lacquer – Clear & Pigmented
- AC WOODLAK® (NY) Rapid Lacquer – Clear & Pigmented
- AC WOODLAK® Sanding Sealers & Primers

WOOD & FURNITURE: COATINGS:

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Mixing & Application

Add the required amount of catalyst to the AC WOODLAK® lacquer and stir thoroughly for 2–3 minutes until uniformly blended. Do not shake vigorously as this introduces air bubbles. Allow the catalysed mix to stand for 5 minutes before application to release any trapped air.

Use the catalysed material within the stated pot life. Do not return unused catalysed material to the original container. Discard any material that has exceeded its pot life.

Pack Sizes

Pack Size	Volume
1 litre	1.00 lt
5 litre	5.00 lt

Limitations

- Only compatible with Specialized Coating Systems AC WOODLAK® lacquer products. Do not use with other manufacturers' lacquer systems.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with the Storage section of this data sheet.
- Do not use catalysed material beyond the stated pot life – discard and prepare a fresh mix.
- Application, environmental and design factors can vary. Due care should be exercised in the selection and verification of the coating system for the intended use.
- Test performance results were obtained in a controlled laboratory environment. Speccoats™ makes no claim that published test results accurately represent results found in all field environments.

Storage & Shelf Life

Property	Specification
Shelf Life	6 months minimum at 25°C, subject to inspection thereafter
Storage Conditions	Store in dry conditions out of direct sunlight, away from sources of heat or ignition
Container	Keep containers tightly sealed when not in use

Health & Safety

For complete safety and handling information, refer to the appropriate Safety Data Sheet (SDS) prior to using this product. Ensure adequate ventilation during use. Avoid prolonged skin contact and inhalation of vapours. Use appropriate PPE including chemical-resistant gloves, safety goggles and respiratory protection where ventilation is insufficient.

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