NCF

ACRYNOR G 157

www.ncf.hr

ACRYNOR G 157 stands out as the premier choice for exceptional solutions across a diverse range of applications.

It seamlessly blends high quality and durability with rigorous EU-compliant environmental standards, all while maintaining a cost-effective approach.

Choose ACRYNOR G 157 for a reliable investment in performance and sustainability.

PROPERTIES	VALUE
Solid content / %	50 ± 1
pH value	8 ± 1
Viscosity 20 rpm, 23 °C/ mPas	5000 – 11 000
Particle size/ µm	0.07 – 0.1
Glass transition temperature / °C	7
Minimum film-forming temperature (MFFT) /°C	16 ± 1
Film appearance	transparent, glossy, non-tacky
Emulsifying system	Anionic-Nonionic

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Developed by the R&D team at Nordix Chemicals Factory (NCF) in Croatia (EU), ACRYNOR G 157 utilizes cutting-edge technology from the NCF's automated production complex, which was opened in Zagreb in 2025. This advanced facility guarantees the consistent and high-quality manufacturing of stable products. By choosing ACRYNOR G 157, you gain a reliable premium solution for expanding your coating portfolio and enhancing product performance.

NCF

ACRYNOR G 157

A Premium Solution for Creating Durable and Cost-Efficient Coatings

BRIEF OVERVIEW /01

ACRYNOR G 157 is a fine-particle styrene-acrylic emulsion characterized by medium viscosity and a low glass transition temperature (Tg ≤ 7 °C). Its fine particle size (0.07–0.1 µm) promotes high pigment capacity and effortless blending with both mineral and synthetic fillers, reducing overall product consumption per unit of surface area. The formula excludes thickeners and plasticizers.

INNOVATIVE FEATURES /02

Advanced polymerization echnology

NCF utilizes advanced production processes and state-of-the-art equipment to ensure consistent product quality across different batches. This approach effectively reduces variations in the products' physical and chemical characteristics.

High mechanical stability

Preserves structural uniformity during mixing, preventing coagulation and reducing material loss.

RECOMMENDED FIELDS OF APPLICATION /03

- Architectural and façade coatings (including decorative and textured paints)
- Mosaic decorative finishes
- Interior paints for walls and ceilings
- Wood protection products, lacquers, and impregnations
- Primers for various surfaces
- Industrial protection systems for concrete and metal

WHY CUSTOMERS CHOOSE ACRYNOR G 157 /KEY ADVANTAGES

Versatile Applications

Suitable for a wide range of coatings — from primers and undercoats to final finishes for wood, concrete, metal, mosaic systems, and other construction materials.

Cost-Effectiveness

High pigment volume concentration enables a significant reduction in the quantity of dispersion required in conventional formulations, all while maintaining quality. This leads to improved hiding power in the final product.

Coating Properties

- A low glass transition temperature produces a smooth, transparent, elastic, and long-lasting film
- Exhibits strong UV resistance
- Offers high hydrophobicity
- Ensures excellent abrasion resistance and reliability against weather and mechanical stress

Various Modifications

NCF has developed both ammonia-stabilized and ammonia-free formulations to meet diverse customer needs.

Compliance with Strict EU Environmental Regulations

- Free of alkylphenol ethoxylates (APEO)
- Low VOC contentstress

Competitive Advantage

The styrene-acrylic ACRYNOR G 157 performs comparably to fully acrylic dispersions but is significantly more cost-effective, making it a strong competitive alternative.

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ACRYNOR G 251

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ACRYNOR G 251 is the optimal solution for crafting long-lasting, eco-friendly, and superior-quality coatings. Elevate your projects with exceptional durability and sustainability that you can trust ACRYNOR G 251.

PROPERTIES	VALUE
Solid content / %	50 ± 1
pH value	7.0 ± 8.5
Viscosity 20 rpm, 23 °C/ mPas	200 – 900
Particle size/ µm	0.1
Glass transition temperature / °C	22
Minimum film-forming temperature (MFFT) /°C	12 ± 1
Film appearance	transparent, glossy, non-tacky
Emulsifying system	Anionic

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The high-quality ACRYNOR G 251 dispersion, developed by specialists at Nordix Chemicals Factory (NCF) in Croatia (EU), is based on acrylic copolymers and combines cutting-edge technology with the company's extensive expertise. This low-viscosity, fine-particle product stands out as a significantly enhanced version of popular pure-acrylic dispersions, making it an ideal choice for a range of façade and interior coatings.

NCF

ACRYNOR G 251

An Optimal Acrylic Copolymer Dispersion Delivering Excellent Adhesion and Eco-Friendliness — Ideal for Paints and Coatings

BRIEF OVERVIEW /01

ACRYNOR G 251 is a water-based acrylic copolymer dispersion featuring a specifically engineered morphology and a built-in wet-adhesion enhancer. Free of APEO, it boasts low residual monomer levels and fine particle size, ensuring:

- Outstanding binding capacity
- Reliable adhesion
- High pigment compatibility
- Eco-friendly performance

INNOVATIVE FEATURES /02

State-of-the-Art Polymerization Technology

Technological advancements at NCF guarantee consistent product quality, minimizing variations in the final product's physical and chemical properties.

High Mechanical Stability

- Maintains a uniform structure during mixing, preventing coagulation and reducing product losses
- Exhibits rheological stability, quickly reverting to its original viscosity once shear stress is removed

RECOMMENDED FIELDS OF APPLICATION /03

- Architectural and façade coatings (including decorative and textured paints)
- Eco-friendly interior paints for walls and ceilings
- Transparent construction adhesives with high initial tack and final bond strength
- Protective coatings for a variety of substrates

WHY CUSTOMERS CHOOSE ACRYNOR G 251

KEY ADVANTAGES

Versatile Applications

Suitable for a wide range of premium weather-resistant coatings for wood, metal, concrete, and other surfaces.

Broad Formulation Options

Available with different viscosity profiles, allowing for customization according to specific customer needs.

Coating Properties

- ACRYNOR G 251 forms a transparent, moderately rigid, non-tacky, glossy film
- Exhibits excellent UV resistance
- Offers strong weatherability and high alkali resistance
- Ensures notable vapor permeability

Compliance with Strict EU Environmental Regulations

- APEO-free
- Low VOC contentstress
-

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ACRYNOR G 1510

www.ncf.hr

ACRYNOR G 1510 is a reliable and universal binder suited to a broad spectrum of coatings, including façade applications, interior paints, primers, and decorative modeling compounds.

long-term durability, making it the perfect choice for discerning manufacturers aiming to produce high-quality, eco-friendly products.

PROPERTIES	VALUE
Solid content / %	50 ± 1
pH value	8 ± 1
Viscosity 20 rpm, 23 °C/ mPas	7000 – 14000
Particle size/ µm	0.09- 0.11
Glass transition temperature / °C	14
Minimum film-forming temperature (MFFT) /°C	16 ± 0.5
Film appearance	transparent, glossy, non-tacky
Emulsifying system	Anionic-Nonionic

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This high-quality dispersion, developed by experts at Nordix Chemicals Factory (NCF) in Croatia (EU), serves as a versatile binder for a wide range of paints and coatings. Thanks to its balanced formulation, ACRYNOR G 1510 ensures excellent hiding power, durability, and resistance to external stress, while remaining a cost-effective choice for modern coating solutions.

NCF

ACRYNOR G 1510

A Universal Styrene-Acrylic Dispersion Delivering Outstanding Hiding Power, Perfect for Interior and Exterior Coatings

BRIEF OVERVIEW /01

ACRYNOR G 1510 is an APEO-free, styrene-acrylic dispersion with low VOC content. It features excellent versatility and high-performance characteristics. When dried at temperatures above 16 °C, it forms a clear, hard, and glossy film that resists abrasion and moisture.

This material's fine particle size and strong pigment-binding capacities make it highly suitable for interior and exterior coatings. It provides effective and long-lasting protection against various environmental factors. Its fine particle size and robust pigment-binding capacity make it ideal for both interior and façade coatings, ensuring long-lasting protection against

INNOVATIVE FEATURES /02

Advanced Polymerization Technology

Cutting-edge manufacturing methods and advanced polymerization technology at NCF plant guarantee product batch-to-batch consistency, minimizing variations in the final product's physical and chemical properties.

High Mechanical Stability

Maintains a uniform structure during mixing, preventing coagulation and reducing product losses.

RECOMMENDED FIELDS OF APPLICATION /03

- Final finishes for interior and exterior use
- Primers for improved adhesion and substrate protection
- Interior and façade paints that offer durability and reliable defense against weathering
- Textured coatings for creating various decorative effects
- Protective coatings for concrete and metal structures

WHY CUSTOMERS CHOOSE ACRYNOR G 1510

KEY ADVANTAGES

Optimal Cost-Performance Ratio

Thanks to its universal profile and remarkable balance of price and functionality, ACRYNOR G 1510 suits a wide array of applications.

Excellent Binding Capacity

High pigment volume capacity allows increased use of fillers and pigments in paint formulations, boosting hiding power without sacrificing final product quality.

Resistance to Wet Scrub

Finished coatings maintain their aesthetic and protective qualities under repeated wet cleaning.

Compliance with Strict EU Environmental Regulations

- Free of alkylphenol ethoxylates (APEO-free)
- Low VOC contentstress

NCF

ACRYNOR G 1530

www.ncf.hr

ACRYNOR G 1530 delivers ideal versatility and stability, making it an outstanding choice for creating long-lasting coatings with reliable protection.

Provided by NCF, this product is especially suitable for environmentally conscious solutions, ensuring durability and resilience against external environmental factors.

PROPERTIES	VALUE
Solid content / %	50 ± 1
pH value	7.0 ± 8.5
Viscosity 20 rpm, 23 °C/ mPas	1000 – 4000
Particle size/ µm	0.09- 0.1
Glass transition temperature / °C	Around -9
Minimum film-forming temperature (MFFT) /°C	Around 0
Film appearance	transparent, glossy, non-tacky
Emulsifying system	Anionic-Nonionic

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ACRYNOR G 1530 is an advanced solution from Nordix Chemicals Factory (NCF) in Zagreb, Croatia (EU). Combining superior adhesive properties, elasticity, enhanced mechanical strength, and high water-repellency, this styrene-acrylic dispersion is especially suited for producing elastic weather-resistant and abrasion-resistant coatings, as well as for applications in technical textiles and nonwoven materials. Its ecological safety is ensured by a formulation free from APEO, VOC, H317, ammonia, solvents, and plasticizers.

NCF

ACRYNOR G 1530

The Ideal Styrene-Acrylic Dispersion with Outstanding Adhesion, Elasticity, and Water Repellency for Long-Lasting, Environmentally Friendly Coatings

BRIEF OVERVIEW /01

ACRYNOR G 1530 is an innovative styrene-acrylic dispersion offering robust mechanical performance and exceptional water repellency, ensuring the long-term durability of coatings by protecting them from environmental impacts. Moreover, its compatibility with silicate binders opens the door to versatile applications in premium construction and finishing materials.

INNOVATIVE FEATURES /02

State-of-the-Art Polymerization Technology

Technological innovations at NCF plant guarantee consistent batch-to-batch quality product quality, minimizing any deviations in the final product's physical and chemical properties

High Stability Under Mechanical Stress

- Maintains structural uniformity during mixing, preventing coagulation and reducing product loss.
- Remains rheologically stable, quickly reverting to its initial viscosity once the mechanical stress is removed.

RECOMMENDED FIELDS OF APPLICATION /03

- Architectural and façade coatings (including decorative and textured paints)
- Interior paints for walls and ceilings
- Elastomeric coatings
- Silicate-modified finishing coatings
- Plasters and primers

WHY CUSTOMERS CHOOSE ACRYNOR G 1510

KEY ADVANTAGES

Versatile Application

ACRYNOR G 1530 produces elastic, weather-resistant, and alkali-resistant coatings for mineral and metal substrates, technical textiles, nonwoven materials, and challenging surfaces (plastics, rubber, specialized composites). It is also highly compatible with liquid glass, enhancing resistance to alkalis and aggressive chemicals.

Coating Properties

- Forms a transparent, elastic, non-tacky, glossy film
- Maintains coating quality at low temperatures
- Delivers a strong adhesive joint
- When silicate-modified, coatings based on ACRYNOR G 1530 offer excellent UV resistance, high adhesion, vapor permeability, and low water absorption and dirt retention

Compliance with Strict EU Environmental Regulations

- Free of alkylphenol ethoxylates (APEO)
- VOC-free

Wide Range of Variations

Available in formulations with different viscosities, allowing customization to specific customer requirements.

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ACRYNOR D 348

www.ncf.hr

VILANOR D348 represents a premium choice for adhesives featuring high moisture and frost resistance, robust joint strength and environmental safety.

This NCF product guarantees reliable performance under various loads, withstands moisture and temperature fluctuations, and complies with stringent ecological standards.

PROPERTIES	VALUE
Solid content / %	50 ± 1
pH value	3.5 ± 0.5
Viscosity 20 rpm, 23 °C/ mPas	13000 – 18000
Particle size/ µm	0.5- 5
Glass transition temperature / °C	28
Minimum film-forming temperature (MFFT) /°C	5
Protective colloid	Polyvinyl alcohol
Frost resistance	Can be thawed after being frozen once to -10 °C

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VILANOR D348 was developed by Nordix Chemicals Factory (NCF) in Zagreb, Croatia (EU). This product serves as a premium foundation for manufacturing adhesives that meet strict environmental standards and the demands of modern woodworking. Adhesive systems based on VILANOR D348 exhibit excellent frost and moisture resistance, as well as high tolerance to mechanical stress, ensuring consistent bond quality and strength.

NCF

ACRYNOR D 348

A Premium Vinyl Acetate Homopolymer Dispersion Distinguished By High Moisture and Frost Resistance, And Excellent Environmental Safety.

BRIEF OVERVIEW /01

VILANOR D348 is a universal PVAc-based adhesive dispersion with a high solids content, medium viscosity, and fast setting properties.

INNOVATIVE FEATURES /02

State-of-the-Art Polymerization Technology

- NCF's advanced manufacturing equipment ensure stable dispersion quality, minimizing variations in the final product's physical and chemical properties.
- A modern laboratory at NCF oversees every production stage, guaranteeing more precise and predictable batch-to-batch consistency.

High Stability Under Mechanical Stress

Maintains a uniform structure during blending or mixing, preventing coagulum formation and reducing waste.

RECOMMENDED FIELDS OF APPLICATION /03

- Wood Processing: Production of furniture panels, doors, windows, parquet, and other wood-based products
- Bonding of Composite Materials: Wood boards, plywood, MDF, particleboard, and similar substrates
- Other Adhesive Systems: Solutions requiring D3-level water resistance and robust bonding of wooden elements

WHY CUSTOMERS CHOOSE ACRYNOR D 348

KEY ADVANTAGES

Wide Range of Variations

NCF offers formulations with different viscosities, allowing the product to be tailored to specific customer requirements.

Eco-Friendliness

Formulated without plasticizers, formaldehyde-releasing crosslinkers, or volatile organic solvents (VOC), VILANOR D348 is safe to handle and eco-friendly.

Versatility and Reliability

- Fine particle size ensures even adhesive application and high-quality bonds
- Suitable for application on one or both surfaces to be joined
- Provides fast, strong adhesion of wood and wood-based materials, thanks to D3-level water resistance per DIN EN 20
- Offers reliable protection against moisture and elevated temperatures
- Maintains bond integrity under freeze conditions without organic solvents
- Delivers high bonding strength under static loads

NCF

ACRYNOR G 352

www.ncf.hr

VILANOR G 352 is an ideal product for achieving rapid and reliable paper and cardboard bonding, thanks to its superior heat resistance, low viscosity, and fast-setting adhesive characteristics.

Being VOC-free, it is environmentally safe and helps cut down your manufacturing costs.

PROPERTIES	VALUE
Solid content / %	55 ± 1
pH value	5 ± 0.5
Viscosity 20 rpm, 23 °C/ mPas	4500±1000
Particle size/ µm	0.5- 5
Glass transition temperature / °C	28
Minimum film-forming temperature (MFFT) /°C	17 ± 1
Protective colloid	Polyvinyl alcohol

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This innovative dispersion, developed by the experts at Nordix Chemicals Factory (NCF) in Croatia (EU), is the perfect choice for high-speed production lines requiring rapid and reliable adhesion across a broad range of materials. Low viscosity, excellent heat resistance, and environmental safety make it an outstanding foundation for modern adhesive systems.

NCF

ACRYNOR G 352

An Ideal, High-Performance, and Eco-Friendly Dispersion Tailored for High-Speed Manufacturing

BRIEF OVERVIEW /01

VILANOR G 352 is a vinyl acetate–based dispersion featuring a high solids content (approximately 55%), low viscosity, a wet-tack effect, and rapid joint formation. Free from volatile organic compounds (VOCs) and other harmful substances, it ensures eco-friendly and safe operation. Its controlled pH results in low corrosivity, while enhanced thermal stability allows reliable performance in high-temperature manufacturing processes.

INNOVATIVE FEATURES /02

State-of-the-Art Polymerization Technology

- Technological innovations at NCF guarantee consistent product quality, minimizing variations in the final product's physical-chemical properties.
- NCF's modern laboratory facilities provide thorough control at every production stage, enabling more precise and predictable quality in all batches.

High Mechanical Stability

Maintains a uniform structure during mixing, preventing coagulation and thus reducing product loss.

RECOMMENDED FIELDS OF APPLICATION /03

- Adhesive bases for the production and finishing of paper, cardboard, corrugated board, and carton products requiring quick bonding and high strength
- Packaging production and paper/cardboard product manufacturing
- Wood processing, including impregnation of components where heat and moisture resistance are critical

WHY CUSTOMERS CHOOSE ACRYNOR G 352

KEY ADVANTAGES

- High solids content (55%) results in fast joint formation and increased overall production speed
- Optimized for high-speed equipment, especially in paper and cardboard applications
- Increases productivity and minimizes equipment downtime
- Enables immediate surface bonding upon adhesive application
- Low viscosity and high bonding efficiency reduce adhesive consumption, thereby lowering final production costs
- Easily integrates with a variety of additives and plasticizers (if needed)

Compliance with Strict EU Environmental Regulations

- APEO-free
- VOC-free

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ACRYNOR G 358

www.ncf.hr

VILANOR G 358 is a universal vinyl acetate–based (PVAc) dispersion with a high solids content (50%) and increased viscosity. Its VOC-, ammonia-, and APEO-free design offers and low-temperature performance.

This product is well-suited to adhesive formulations for paper, cardboard, and woodworking, as well as serving as an additive in cement mortars to enhance strength and elasticity.

PROPERTIES	VALUE
Solid content / %	50 ± 1
pH value	5 ± 1
Viscosity 20 rpm, 23 °C/ mPas	40000 – 10000
Particle size/ µm	0.5- 5
Glass transition temperature / °C	32
Minimum film-forming temperature (MFFT) /°C	20 ± 1
Protective colloid	Polyvinyl alcohol
Frost resistance	Can be thawed after being frozen once to -20 °C

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Developed by experts at Nordix Chemicals Factory (NCF) in Croatia (EU), this product serves as a core component for D2 adhesive formulations and can also be utilized in construction as a cement admixture. Highly versatile and economically advantageous, VILANOR G 358 excels both as a standalone adhesive and as a modifier for final formulations.

NCF

ACRYNOR G 358

A Universal Vinyl Acetate–Based Dispersion with a High Solids Content

BRIEF OVERVIEW /01

VILANOR G 358 is a universal vinyl acetate–based dispersion offering high freeze-thaw stability (down to approximately -20 °C), a solids content of around 50%, and elevated viscosity, all while being plasticizer-free. Its fine particle size and narrow particle-size distribution promote fast setting, easy application, and outstanding low-temperature resistance.

Free of alkylphenol ethoxylates (APEO), phthalate- and phosphate-based plasticizers, volatile organic compounds (VOCs), and ammonia, VILANOR G 358 ensures excellent environmental safety and prevents discoloration of the adhesive joint.

INNOVATIVE FEATURES /02

State-of-the-Art Polymerization Technology

- Technological innovations at the NCF plant guarantee consistent product quality, minimizing variations in the physical and chemical characteristics of the final product.
- NCF operates a well-equipped laboratory that oversees each stage of production, which contributes to achieving greater accuracy and predictability in the quality of each batch.

High Mechanical Stability

Maintains uniformity of the structure during mixing, preventing coagulation and therefore minimizing product loss.

RECOMMENDED FIELDS OF APPLICATION /03

- Adhesive formulations for paper, cardboard, and general-purpose (household) glues
- D2-class wood adhesives for joinery and other wood-based products
- Cement admixture, enhancing strength and flexibility in mortar systems

WHY CUSTOMERS CHOOSE ACRYNOR G 358

KEY ADVANTAGES

- A VOC-free and ammonia-free formula ensures high colloidal stability and prevents changes in the appearance or performance of the adhesive film after application
- Provides excellent moisture resistance and withstands temperature fluctuations
- Delivers rapid setting and reliable bonding at elevated temperatures, simplifying application on wood, paper, and cardboard
- Ideal for high-speed production lines, increasing throughput and reducing downtime
- A 50% solids content accelerates the formation of a robust adhesive joint
- Suitable for producing D2-class adhesives in woodworking
- Can be used as a modifying additive in cement-based compositions, improving both strength and flexibility

Compliance with EU Standards

- APEO-free
- VOC-free