

Name RetroPlate

Product ID Classification 03 35 00.00 Concrete (footing):
Concrete Finishing

Website www.retroplatesystem.com

Manufacturer Address Curecrete Distribution, Inc. Contact Name Title Phone Email Advanced Floor Products



Description RetroPlate is a zero VOC, chemically reactive concrete sealer, hardener and dustpoofer formulated to stabilize and harden concrete surfaces prior to diamond abrasive polishing. This deep penetrating sealer chemically reacts with the concrete forming a crystalline structure within the concrete pores, filling the pore and solidifying the concrete into a solid densified mass. This reaction chemically hardens the concrete surface, rendering it abrasion resistant, dustfree and resistant to the penetration of surface contaminants. The results are permanent. No retreatment is required. RetroPlate does not contribute to alkali silicate reaction (ASR).

The chemical identity of the proprietary components have been withheld to preserve the intellectual property rights of Curecrete Distribution, Inc. However, the full CAS numbers have been entered into the HPD database which is verified by the WECRS Green tool. The quantity of each proprietary chemical falls below the required reporting threshold for the HPD Collaborative. The product as a whole is nontoxic and the hazardous properties of the proprietary chemicals are undetectable and not relevant to the product as supplied or used. All chemical hazards are listed and have been disclosed

Release Date 2016-05-23 Expiry Date 2019-05-23 HPD URL https://builder.hpd-collaborative.org/uploads/files/hpds/1242/3694-20160523151434.pdf

Self-declared Second Party Third Party

Certifier Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure Measured 100 ppm (ideal) Measured 1000 ppm Predicted by process chemistry As per MSDS (1,000 & 10,000 ppm) Not disclosed Other

Full Disclosure of Intentional Ingredients Yes No

Full Disclosure of Known Hazards Yes No

Disclosure Notes No known residuals exist from the manufacturing of this product or based on the Chemical Suppliers MSDS sheets.

Contents in Descending Order of Quantity

WATER , SODIUM SILICATE , Sodium metasilicate nonahydrate , Undisclosed (Tracer) , Undisclosed (Reagent) , Undisclosed (Proprietary Catalyst)

Hazards PBT (Persistent Bioaccumulative Toxic) Cancer Gene Mutation Development Reproductive Endocrine Respiratory

Highest concern GreenScreen score - List Translator Possible Benchmark 1 Neurotoxicity Mammal Skin or Eye Aquatic toxicity Land toxicity Physical hazard Global warming Ozone depletion Multiple Unknown

Total VOC Content Material (g/L) Regulatory (g/L) 0.00

Does the product contain exempt VOCs? N/A Yes No

Are there VOC-free tints available? N/A Yes No

Notes Ashford Formula is a waterbased product containing no VOC's

Certifications + Compliance

VOC Emissions

Not tested

VOC Content

Not tested

Flame Retardants

EU Classification of the reaction to fire performance of construction products - Euroclass E

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
WATER	7732-18-5	45 - 70 %	4	N	N	Carrier
None found	No warnings found on HPD Priority lists					
Water: Carrier						
SODIUM SILICATE	1344-09-8	20 - 40 %	LT-U	U	N	Reactive Concrete Modifier
None found	No warnings found on HPD Priority lists					
Reactive Concrete Modifier						
Sodium metasilicate nonahydrate	13517-24-3	1 - 15 %	LT-U	U	N	Reactive Concrete Modifier
None found	No warnings found on HPD Priority lists					
Reactive Concrete Modifier						
Undisclosed (Tracer)	Undisclosed	0.05 %	LT-U	U	U	Tracer
None found	No warnings found on HPD Priority lists					
Verify authenticity of product						
Undisclosed (Reagent)	Unknown	0 - 0.07 %	LT-U	U	U	Undisclosed Reagent
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed.					
SKIN IRRITATION	EU H-Statements: H315 Causes skin irritation					

The chemical identity has been withheld to preserve the intellectual proprietary rights of Curecrete Distribution, Inc However Curecrete Distribution has verified the chemicals with the HPD Database which is verified by the WECRS Green Tool. The quantities of chemical falls below the required reporting threshold for the HPD Collaborative. The product as a whole is non-corrosive and the hazardous properties of this chemical is undetectable and not

relevant to the product as supplied or used.

Undisclosed (Proprietary Catalyst)	Undisclosed	0 - 0.02 %	LT-P1	U	U	Proprietary Catalyst
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<p>The chemical identity has been withheld to preserve the intellectual proprietary rights of Curecrete Distribution, Inc. However Curecrete Distribution has verified the chemicals with the HPD Database which is verified by the WECRS Green Tool. The quantities of chemical falls below the required reporting threshold for the HPD Collaborative. The product as a whole is non-corrosive and the hazardous properties of this chemical is undetectable and not relevant to the product as supplied or used.</p>						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	N/A			
VOC Content	Not tested			
Recycled Content	Not tested			
Flame Retardants	EU Classification of the reaction to fire performance of construction products - Euroclass E			European Commission
	Government enforced claim	2007-07-01		https://builder.hpd-collaborative.org/uploads/files/certifications/1242/1430251139.pdf
	ALL			
	<p>ntended uses: for the protection of concrete structures – Impregnation • Ingress protection (1.2) • Physical resistance (5.2) Is in compliance with the EU Construction Products directive (89/1060EEC) and meets the requirements of EN 1504-2 for the intended uses indicated herein: Declared characteristics Test method Declared characteristics Abrasion resistance (Böhme test) EN 13892-3 At least 30% improvement in abrasion resistance in comparison with a non-impregnated sample Capillary absorption and permeability of water En 1062-3 ≤0.1kg/m2 xh0.5 Depth of penetration EN 1504-2 ≥ 5mm Impact resistance EN ISO 6272-1 Class 2: ≥ 10 Nm Adhesion</p>			

strength by pull off test EN 1542 - vertical ≥ 0.8 MPa - horizontal without trafficking ≥ 1.0 MPa - horizontal with trafficking ≥ 1.5 MPa

		2011-03-18	2021-03-18	https://builder.hpd-collaborative.org/uploads/files/certifications/1242/1439399062.pdf
	ALL			
	VOC Certification			
		2011-03-18	2021-03-18	https://builder.hpd-collaborative.org/uploads/files/certifications/1242/1439399084.pdf
	ALL			
	VOC Certification			

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	

NOTES