



630 Oakmont Lane ♦ Westmont, IL 60559 ♦ 1-800-323-6863 ♦ ha-international.com

Geopol A-Inorganic Resin System

Product Features

Geopol differs from Sodium Silicates by the mechanism by which the bond forms. Geopol forms an amorphous inorganic polymer exhibiting higher strengths at low addition levels.

Advantages:

- Low addition levels in the order of 40-50% of sodium silicate.
- Adjustments to strip time without altering benchlife.
- Sand mixes exhibit high flowability.
- Ideal for blowing cores.
- Improved surface finish.
- Improved breakdown.
- Geopol can be reclaimed up to 90%
- Virtually no odor on mixing.
- Very low fume during pouring and shake out.
- Very low environmental impact.
- No Volatile Organic Compounds (VOCs) are present.

Product Description

A product designed for the production of sand cores and molds by the addition of a liquid hardener and allowing the mix to self-set.

Product Application

This product meets HAI's EcoMission Standards, **meeting or exceeding three of the following five** criteria:

Water based or renewable component
Utilizes recycled components



Low VOC
Low HAP
Low Odor

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Technical Data Sheet

The Geopol binder is supplied in liquid form and is mixed with sands in the same way as other conventional binder processes.

Self-set process: Geopol is cured by the addition of a liquid hardener in the range of 8-16% of the binder weight.

Hardners

SA70 Range	Strip-Time (minutes) 12-16%	Bench-Life (minutes)
SA 71	120	45
SA 72	63	25
SA73	40	12.5
SA74	22	8
SA 75	17	6
SA 76	12	4

Storage Guidelines

Avoid extremes of temperature and humidity during storage.

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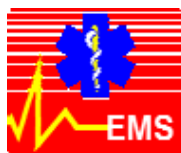
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Safe Handling

Refer to the Material Safety Data Sheet for additional information.

Technical Service

HA International is “The Best Total Solution” for your foundry by providing innovative products, in-depth technical assistance, and a diverse product line specially formulated for any foundry application. Both our in-house and field experts are available to assist you with your most challenging foundry applications. Please contact your HA International, LLC representative so that we may assist you in putting together a binder system and foundry team that will help you achieve your goals. Contact your sales representative for additional technical information.



**For Emergency Medical Assistance Please Call:
Health & Safety Information Services: 1-866-303-6949**

For additional health and safety or regulatory information, call 630-575-5722 or 630-575-5705.

Date: 11/08/2008 Author: MPS

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