

High Tech Castables

Histone®

Flystone®

Dystone®



ADVANCED REFRACTORY SOLUTIONS

Unique qualities, result of an exasperated pursuit of excellence.

- **Dedicated formulations for each specific use**
- **High water-proofing to molten metals and gases**
- **Maximum mechanical resistance to wear and impact**
- **Excellent resistance to temperature changes**
- **Applications with thicknesses close to the maximum granulometry value**
- **Compatibility and total adhesion with existing coatings**
- **Applicability even in extreme environmental conditions**
- **Increased physical characteristics due to simple aging procedures**
- **Low environmental impact thanks to the ceramic matrixes that restrict the presence of free siliceous oxides**

Innovation, performance, savings: Eredi Scabini has made itself in 3.

From evolving technologies, from the study of the material effectiveness and from needs that always require more specific solutions, here are 3 lines of refractory extraordinary performance castables, guaranteed by Eredi Scabini. Histone®, Flustone® and Dystone® are three innovative products that meet quality standards much higher than similar products currently on the market, providing a significantly superior performance. In particular, Histone®, the newest, represents a true revolution in the field because it encompasses the best of existing products, thanks to a solution that offers ease of application and unmatched performance. Eredi Scabini has always invested considerable energy into developing and offering innovative products reaching the excellence in quality. The three lines presented on these pages are an example of how the company is able offer its customers the best possible response to specific needs

How to install.

Histone®, Flustone® and Dystone® have different installation procedures, but similar to the ones generally used for ordinary concrete. Even in extreme conditions, the material workability remains almost constant, providing total warranties for a final result at the highest level.

From the traditional applications to the special ones

As in all products offered by Eredi Scabini, also in this case, each project is designed ad hoc, providing a higher level of customization and, therefore, greater effectiveness. To the many traditional applications, the possibility of extending the quality and benefits of Histone®, Flustone® Dystone® also in the preformed product lines is added. And to offer more complete solutions, Eredi Scabini created a factory dedicated to the production of preformed products up to 15 tons in weight in compliance with the regulation 9001/ VISION ISO 2000. All three products can be combined with the preformed created ad hoc: **Hiblock®** for **Histone®**, **Ultrablock®** for **Flustone®** and **Megablock®** for **Dystone®**.

Histone® - Speed Champion.



The secret of Histone® is in the matrix which, totally absent of cement and traditional chemical agents, in full compliance of operators and environment, improves its chemical and physical quality reducing costs and downtime, thanks to first heating curves that have never been seen before. Histone allows new applications that were impossible until today because of the heating cycle duration.

Flustone® - The strength is in the fluidity.



The new ceramic matrix limits the friction formation ensuring maximum fluidity with minimal addition of water. Also, the pore diameter is related to the surface tensions of each specific sector metals.

Dystone® - When the muscles are needed.



The particular granulometry does not allow the micro-cracks caused by thermo-mechanical stress to escalate and become macro-cracks. This granulometry significantly increases the strength and, therefore, the duration.

The unique qualities:

SPEED

The absence of binders and conventional chemical elements significantly reduces the drying and sintering times. The excellent self-bonding properties allow veneering wear linings without having to replace them.

PURITY

Histone® has a very high analytical purity that enhances the chemical character of used raw materials ensuring excellent corrosion resistance.

SPECIFICITY

Histone® provides variants for the same formulation aimed to optimize the yield in relation to temperature range: the specific product for each application.

The installation of Histone®, thanks to the extraordinary fluidity, occurs by active auto-distribution that simplifies the procedures and speedsup operation times.



150° C/h

For situations of high risk of abrasion, saturation.

ABRASION

SATURATION

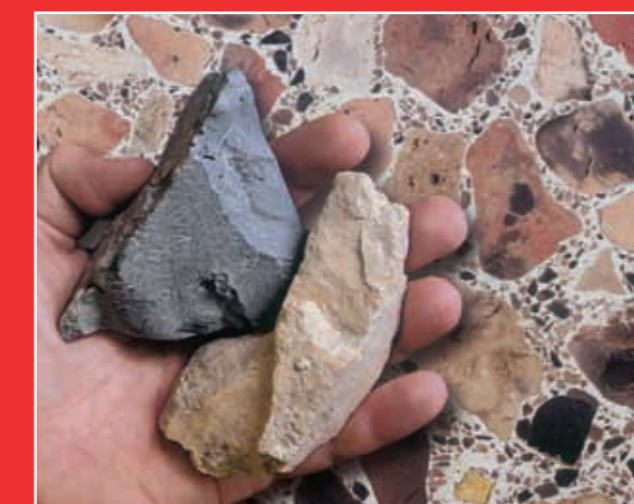


The product auto-distributes itself with the same moisture as the vibratable ULCC regardless of dimensions and geometries of the structure. Flustone can be conveyed in form also by pumping.

For high-risk situations.

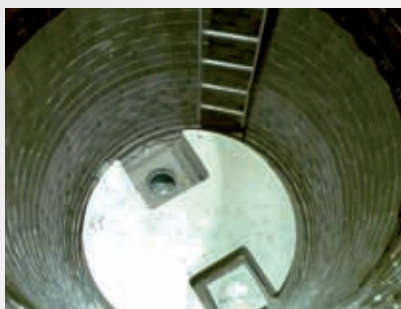
IMPACT

THERMAL SHOCK



The installation of the product Dystone® is made by standard vibration despite the exceptional granulometric curves that are used (up to 150 mm) and the minimum addition of water (in some products less than 3.00%).

Some examples of traditional and special applications.



Ladles



Refining equipments



Electric arc furnaces



Channel induction furnaces



Reverberatory furnaces



Shaft furnaces

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