

Material Highlight:

VIBRON / FLUCON 150 S

Energy & Chemicals

Oil refineries, the chemical industry and the chemical waste processing industry demand high performance refractory products. Gouda Refractories has the products to match the strict specifications for all critical equipment.

Fluidized Catalytic Cracking is an extremely complex process and, as a result, operators encounter numerous costly and difficult problems. Therefore, Gouda Refractories has now developed an extreme low abrasion resistant refractory castable, VC (Vibra-Cast) and SF (Self-Flowing), for Riser transition sections, and other critical parts where extreme process requirements need a **refractory castable** with a very low Erosion Loss (EL) of max. 4 CC.



VIBRON 150 S

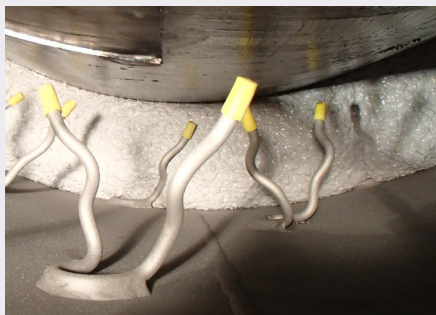
CCS
 ≥ 90
MPa

Erosion
 ≤ 4 cc

Bulk
2.650
kg/m³

Gouda Refractories has developed VIBRON 150 S and FLUCON 150 S, both easy to install.

- **VIBRON 150 S**, a Vibra Casting castable (VC)
This material is very easy to Vibra Cast. Materials flows, during vibrating with pencil or with external vibrators, easily into difficult areas.
- **FLUCON 150 S**, a Self-Flowing castable (SF)
This material is very easy to cast. The self-flowing characteristics are very good. Without using vibration, the material easily flows into difficult areas.



VIBRON / FLUCON 150 S advantages:

- Long workability
- Easy installation
- Excellent flowing characteristics
- Extreme low erosion loss

Technical Background

The strength of the Gouda Refractories' FCC material series is the result of over 40 years of field installation experiences from our services companies in combination with the high standard of our R&D department. The input from field executions by working under severe and extreme conditions, in combination with a high QA standard, makes our materials to belong to the top segment in the industry. Experiences from the field are directly communicated back to R&D and included in our development process.

Material Properties			
Properties after firing to 815 °		VIBRON 150 S	FLUCON 150 S
Bulk Density	kg/m ³	≥ 2.650	≥ 2.550
Erosion Loss	cc	≤ 4	≤ 4
Cold Crushing Strength	MPa	≥ 90	≥ 90
Permanent Linear Change Dried-to-Fired [%]	%	0.1 to -0.4	0 to -0.3

Above values are for information purposes only. Datasheets are available upon request.

