# National Commission for Stratigraphy Belgium



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## Cretaceous

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# 2.1.7. Bernissart Calcirudites Formation- BRN

**Authors:** Marlière (1936b), Robaszynski (1975).

**Description:**Granular to gravelly, organo-detritic, grey to yellow at outcrop, only slightly glauconitic limestones, with flints and a chalcedony cement, with sandy and glauconitic marl beds. Towards the base the limestones are coarse, conglomeratic, glauconitic and ferruginous: this is the Hautrage Conglomerate Bed (Robaszynski, 1975c) or "Tourtia", as seen in local names such as "Tourtia de Tournai", "Tourtia de Montignies-sur-Roc"; "Tourtia du Pas-de-Calais" in northern France, "Tourtia" or "Sarrazin de Bellignies".

**Stratotype:** Pit n°1 at Harchies, between 53.50 m and 82 m.

**Area:** From the western part of the Mons Basin to the north of France.

**Thickness:**2 to 30 m and sometimes more in the most subsided parts of the basin.

**Age:** Early and Middle Cenomanian age on the basis of the ammonites *Mantelliceras mantelli* (Early Cenomanian), *Acanthoceras rhotomagense* (Middle Cenomanian) and *Schloenbachia varians* and the oyster *Amphidonte obliquatum.*

**Remarks:**- This is the "Assise de Bernissart" or "meule cénomanienne" of Marlière(1936a, b, 1939, 1957), raised to rank of formation by Robaszynski (1975).

- The term "Formation du Cornet" used by Doremus (1997) is a junior synonym of the Hautrage Conglomeratic Bed, which indicates the "Tourtia de Tournai" (Robaszynski, 1975).

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