

Poröse Graphitplatten Materialien für alternative Stack-Konzepte

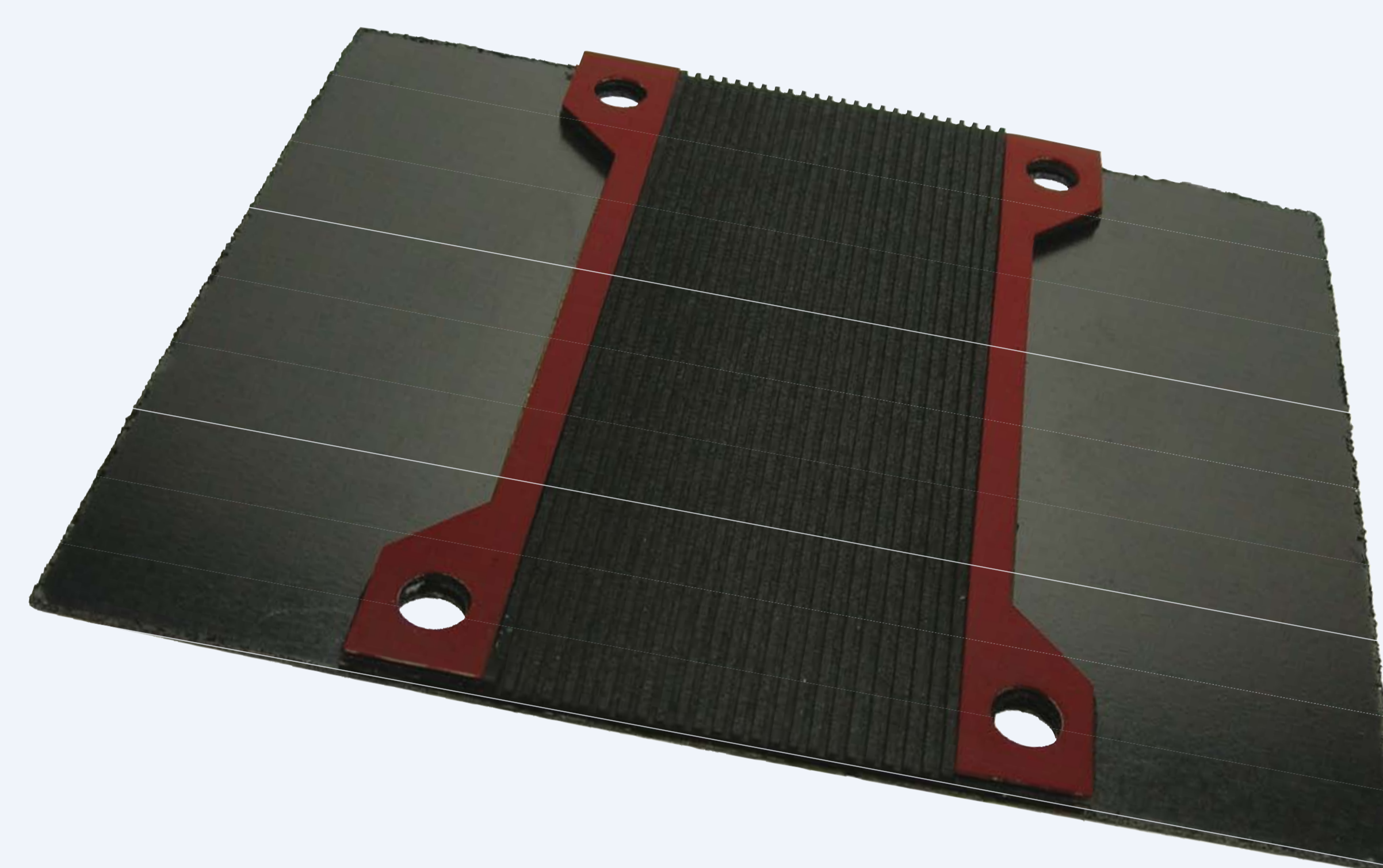
Porous Graphite Plates (PGP)
Materials for Alternative Stack Concepts

Vorteile

- ▶ Erhöhte gravimetrische Leistungsdichte (+ 25 %)
- ▶ Günstige Stack-Abmessungen
- ▶ Potentiell niedrige Kosten
- ▶ Gleiche oder bessere Leistung im Vergleich zu herkömmlichen Konzepten
- ▶ Geeignet für Wasserstoff und Methanol

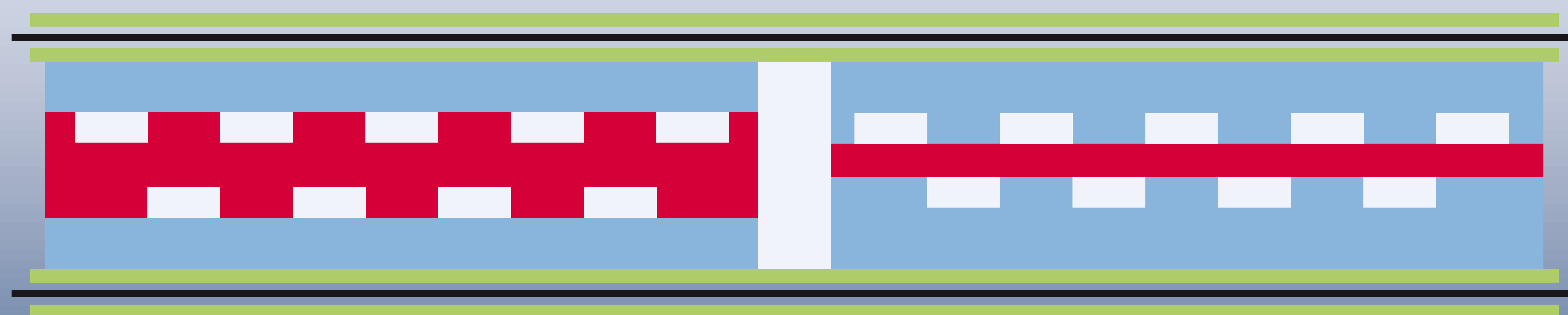
Advantages

- ▶ Increased gravimetric power density (+ 25%)
- ▶ Favorable stack dimensions
- ▶ Low cost potential
- ▶ Performance is comparable or better than traditional concepts
- ▶ Applicable for both hydrogen and methanol



**Materialien für alternative Stack-Konzepte:
Poröse Graphitplatten (PGP) in Kombination
mit Graphitfolie + MEA**

Materials for alternative stack concepts:
Porous Graphite Plates (PGP) in combination
with Graphite Foil Separator + MEA



Traditional:

- MEA
- planar GDL
- structured BPP

**Alternative
Concept:**

- MEA
- structured PGP
- planar Foil Separator