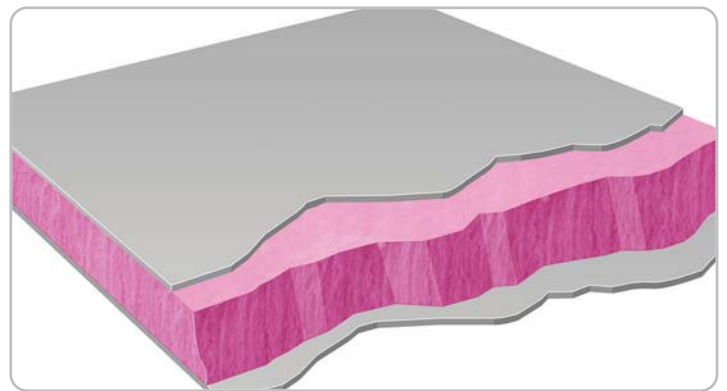


Reinforcement Solutions for the Gypsum Industry



Owens Corning is the leader in glass science, responsible for most innovations in glass including E-glass, the Advantex® brand and high performance glass over a period of more than 30 years.

Our expertise in innovative coating development enables leading solutions in every product form including wet used chopped strands, rovings and non-woven veils.

Our state of the art facilities allow us to work in partnership with our customers to develop solutions for specific applications.

Owens Corning's global manufacturing platform ensures delivery of consistent solutions in all regions.

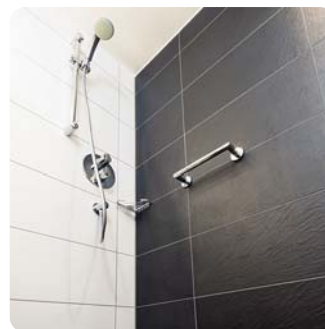


Based on our competitive analysis Owens Corning fiberglass solutions provide the following benefits



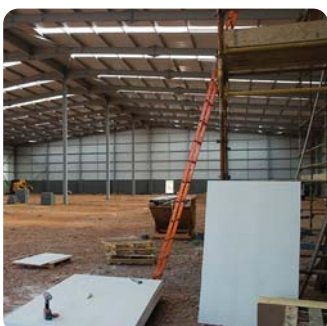
Exterior sheathing

- Non-woven veils:
- Mold & mildew resistance
 - Water repellency
 - Weatherability
 - UV resistance



Interior wet rooms

- Non-woven veils:
- Mold & mildew resistance
 - Water repellency



Fireboard

- Non-woven veils & OptiFlow™ WUCS:
- Low calorific value
 - Strength & integrity



Standard & High Strength/Impact board

- Non-woven veils & OptiFlow™ WUCS
- High stiffness & impact resistance

OC product range for Gypsum industry

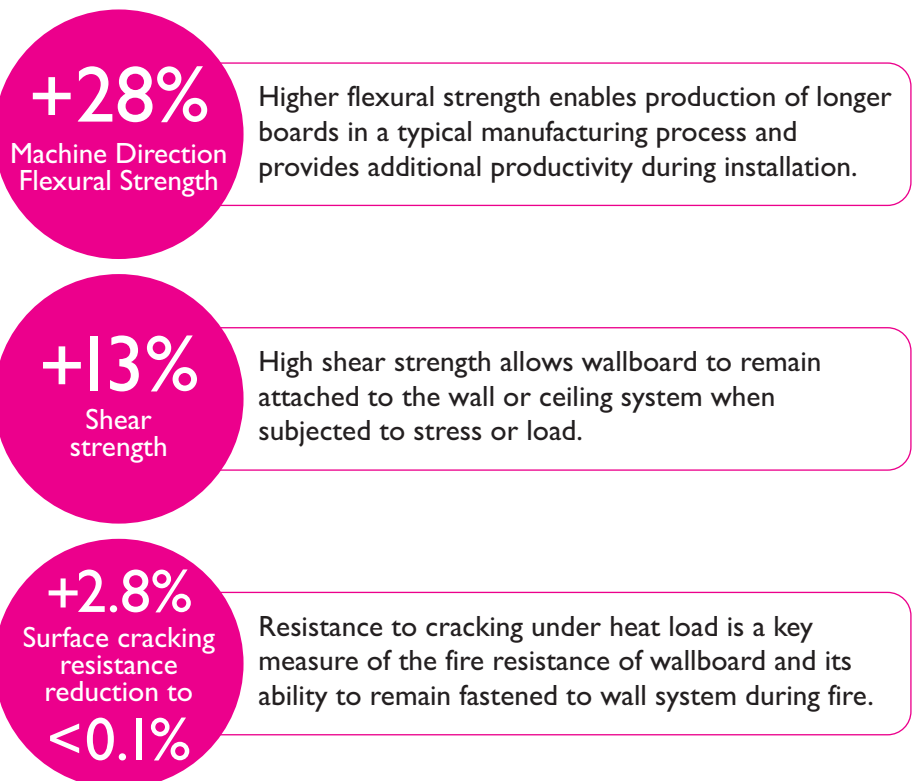
Glass reinforcements	Type and characteristics	Major applications
Non-wovens (veils)	Full product range of coated and non-coated non-woven products. Tailor-made to match the needs of the processes and applications. We offer a complete range of binders from UF to UF free	Replacement of paper in specialty gypsum boards: - Exterior sheathing - Shaftliners - Interior building applications - Roofing applications
OptiFlow™ Wet-Use Chopped Strands (WUCS)	Provide structural integrity to the gypsum core ¼ and ½ inches chop length 16 micron fiber diameter	Gypsum wall board “dry feed” applications across the range of typical glass loadings.
Multi-End Roving	RV P244 2400 With P244 being the sizing type	Gypsum wall board “dry feed” applications.

Note: All OC products are manufactured with Advantex corrosion resistant E-CR glass which in addition has a higher softening point (916 Deg C) versus standard E glass materials (850-870 Deg C)

Technical performance of OptiFlow™ WUCS in gypsum applications

OptiFlow™ WUCS or Choppable Multi-End Roving reinforcement stabilizes the gypsum matrix under fire loading which helps maintain the integrity of the wall system. In addition, both reinforcement types improve board stiffness allowing for reduced board weight and increased board lengths.

% Improvement using OptiFlow™ WUCS (values are represented vs. non reinforced wallboard)





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