



Sustainability with ARMOURCOAT®

Armourcoat Limited has a policy of making all products as environmentally friendly as possible from the sourcing of raw materials through to manufacturing, packaging, application and in-service life of our products.



Distributed by:





Armourcoat offers an array of surface finishes with many different levels of durability, textures, colors and design flexibility. As the green movement continues to gain momentum, Armourcoat prides themselves on working towards making all of their products as environmentally friendly as possible. Below, each product line is broken down by its sustainable qualities.

Polished Plaster

The main raw ingredient of polished plaster is marble powder. All the colored marble powders used in our plaster are not quarried specially for the purpose but are retained and graded by-products from the manufacturing of marble slabs and tiles. This creates positive environmental impact as our intervention of this by-product is utilized rather than put into landfill.

Polished plaster is compacted to a thin and very hard coating during application, this means that the mineral ingredient that has to be quarried are not used in great volume as is the case with other plasters - a little goes a long way.

Armourcoat polished plaster is not only environmentally friendly, but building friendly as well. The product is vapor permeable and will therefore allow the structure of the building to breathe, and is therefore ideally suited to old or historic buildings that are not constructed with a modern damp course. Unlike paints, our powdered polished plasters (P01, P20, P30 and P66) do not give off any VOCs (Volatile Organic Compounds) during application or in the months afterwards. Our environmental initiative has included introducing water-based versions of our Colourwash and wax that are far more environmentally friendly and much more pleasant to use.

Polished plaster is a much more durable finish than paint or finishes that come on a roll such as paper, fabric or vinyl. This not only makes polished plaster more cost effective in the long term but also makes a contribution environmentally by producing less material.

The plaster is supplied in paper sacks that uses as much re-cycled paper as the strength constraints allow and is delivered on pallets recycled from the food industry where for hygiene reasons, only single use is permissible.

Polished plaster is compliant with every construction industry fire test that it has been subjected to. It will not support a flame and does not give off toxic fumes on combustion hence even the destruction of the end product does not harm the environment.



Duturo

The main raw ingredient of Duturo is marble powder. The marble powders used in Armourcoat coatings are not quarried specifically for the purpose but are specially retained and graded by-products from the manufacturing of marble slabs and tiles. This creates positive environmental impact as by our intervention it prevents these products from ending up in a landfill.

Unlike comparative products on the market Duturo is silica free. According to the International Agency for Research on Cancer (IARC) silica dust displays significant evidence of carcinogenicity in humans and it was a goal of Armourcoat to avoid the use of fine silica in order to achieve a safer product.

Duturo is essentially a water based marble and acrylic coating and has very low VOC (Volatile Organic Compounds) content when compared with most conventional paints. Duturo has ideal water vapor permeability and allows the walls to breathe, avoiding all the problems associated with impervious coatings. Duturo is a very durable product and when compared to standard coatings it has a considerably longer life cycle.

ArmourColor

All ArmourColor products are water-based with only sufficient co-solvent additions to ensure good application and performance properties. They have low VOC levels, which conform to ISO 2010 requirements. ArmourColor products are made using high quality acrylic and PU resins, making them very durable and thus increasing their overall life cycles. All products have reasonable to good levels of patch repair thus further reducing product usage during annual maintenance. They are designed so that if a change should be required, they can be over-coated with minimal mechanical abrasion, thus reducing levels of maintenance originated dust pollution. All ArmourColor products are lead free.

All ArmourColor topcoat products are formulated to include long term protection against mold, mildew and bacterial growth, thus minimizing any risk of health effects such as allergic reactions, asthma attacks and hypersensitivity pneumonitis. Armourcoat is constantly reviewing its packaging usage and looking for ways to include recycled material as well as using materials which can be fully recycled. As with all Armourcoat products, work is constantly being carried out to make ArmourColor products even more environmentally friendly.



Armourcoat Sculptural

The main raw ingredients of Armourcoat SCULPTURAL™ are gypsum plaster and 100% recycled mineral filler. The gypsum plaster is sourced from a large gypsum manufacturer who is dedicated to preserving the environment, and restore all their sites after extraction, to maintain natural equilibrium. The lightweight mineral filler is made from 100% post-consumer recycled material – and accounts for up to 30 % of the panel content. Armourcoat SCULPTURAL™ panels can count towards USGBC LEED System points under 'Materials and Resources 4' - reducing impacts resulting from extraction and processing of virgin materials.



To learn more about how Armourcoat can help contribute to LEED points on your next project or for any other questions, visit our website at www.tmsupply.com or contact our dedicated Plaster Architectural Sales Consultant

Calli McDonald at 847.212.2629 | cmcdonald@tmsupply.com.

