Ansell

GLOVE COATINGS EXPLAINED

SAFETY BRIEFING

A HELPING HAND

When handling sharp objects and greasy tools, workers in industrial settings need protection from oil and industrial fluids and from cuts and lacerations, without compromising the dexterity required for precise handling, or the ability to securely grip coated surfaces. Often, gloves have the tendency to become saturated with oils and greases, leading to skin exposure to harmful fluids and poor grip. In the worst situations, saturated gloves become so uncomfortable that workers remove their gloves, putting themselves at risk of injury.

Glove coatings offer an extra layer of protection to knitted gloves protecting hands from oil exposure and from mechanical risks. Nitrile, polyurethane and natural rubber latex coatings can offer improved grip as well as abrasion and puncture resistance when compared to an uncoated glove. However, choosing a glove with the wrong amount of coating coverage can result in loss of grip and discomfort due to oil saturation or penetration which leads to premature glove disposal. Workers may also experience skin irritation when oil and chemicals penetrate through their gloves. However, choosing the right glove and dip coating profile can be difficult due to the number of options available and the trade-offs between comfort and performance. This necessitates a clear under-standing of the protective features of a glove and the requirements of the task at hand.

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GLOVE COATING OPTIONS

Gloves are commonly available with three coating types to address a wide range of application-specific needs. These provide customers with a range of protection solutions that are tailored to address the risk of oil or industrial fluid exposure, and to protect areas of the hands from abrasion or snag injuries:

¾ Coating

HyFlex® 11-937

Palm, finger and knuckle coating

Full coating

HyFlex® 11-939

Full palm and back of hand coating

FLUID PROTECTION	
Suitable for medium exposure to oil and industrial fluids and when palm and knuckle risks are present.	Suitable for heavy exposure to oil and industrial fluids and when the risk of front and back of hand exposure is present.
MECHANICAL PROTECTION	
Protects palm, fingers and knuckles from abrasion and snag injuries.	Protects entire hand from abrasion and snag injuries.
COMFORT	
Good breathability and comfort, suitable for limited periods of wear.	Poor breathability due to full coverage coating. Not suitable for extended periods of wear due to hands getting hot and sweaty.

Selecting the right glove dip coating for the task and risk profile benefits everyone. Workers benefit from light weight comfort and protection, avoiding the need to frequently remove and/or replace gloves when they become saturated and uncomfor-ta-ble. By enhancing worker comfort and safety with long lasting protection results in less wastage and a lower cost of ownership for employers, as there is less interruption to worker perfor-man-ce when the need to remove and replace gloves which are no longer performing in the application is eliminated.

For more information or to request a sample visit www.ansell.com

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