MR®70, Developer – White, Non-Aqueous

MR®70 is a bright white, matte finish, non-halogenated, non-aqueous developer used to enhance the visibility of surface-breaking defects or discontinuities by producing an opaque coating during dye-penetrant inspection.

Additional information

PROPERTIES	Appearance – white liquid Chemical Composition – mixture of pigments in volatile non-halogenated solvents Basis – solvent Odour – characteristic
APPROVALS	QPL SAE AMS 2644 ASME Code V, Art. 6 DIN EN ISO 3452 ASTM E165 ASTM E1417 RCC-M ASME NPCIL TLV 9017 01 PMUC JIS – 2343-2
FAMILY TESTING	Penetrant – MR68NF, MR67, MR672F Cleaner – MR79, MR85, MR88, Water Developer – MR70
RECOMMENDED USAGE	NDT Method – Dye Penetrant Testing Form – d/e (EN ISO 3452-2), e (AMS 2644) Compatibility – all Type 3 penetrants, selective Type I penetrants Area Coverage ~ 6 sq m (400ml nett Aerosol can) ; ~ 19 sq m (1 L) Usage Temperature – 14°F to 131°F / -10 °C to +55 °C Storage Temperature – 41°F to 113°F / +5 °C to +45 °C
REFERENCE TEST BLOCKS	Reference test block type 1 (Ni-Cr panel – 20µm, 30µm & 50µm) Reference test block type 2 (5-star panel) ASTM test block (Aluminium comparator block)

MR®62 (AMS), Penetrant – Red; Solvent Removable

MR®62 (AMS) is a Type II solvent removable red colour penetrant ideal for general industrial dye penetrant testing. It exhibits outstanding penetrating characteristics along with vivid classic red indications which provides maximum reliability in locating surface open flaws and discontinuities. Typical application include casting, forgings, leak testing, welds, pressure vessels and general metal works.

Additional information

PROPERTIES	Appearance – red oily liquid Chemical Composition – mixture of hydrocarbon and dye Basis – hydrocarbon Odour – characteristic
APPROVALS	QPL SAE AMS 2644 ASME Code V, Art. 6 DIN EN ISO 3452 ASTM E165 ASTM E1417 RCC-M ASME NPCIL
FAMILY TESTING	Penetrant – MR62 Cleaner – MR79, MR85, MR88 Developer – MR70I
RECOMMENDED USAGE	NDT Method – Dye Penetrant Testing Type – II Method – C Sensitivity – 2 Compatibility – MR70I Area Coverage ~ 5 sq m (400ml nett Aerosol can) ; ~ 19 sq m (1 L) Usage Temperature – 41°F to 131°F / +5 °C to +55 °C Storage Temperature – 41°F to 113°F / +5 °C to +45 °C
REFERENCE TEST BLOCKS	Reference test block type 1 (Ni-Cr panel – 30µm & 50µm) Reference test block type 2 (5-star panel) ASTM test block (Aluminium comparator block)

MR®85, Remover

MR®85 is an NDT-approved non-halogenated solvent-based cleaner/remover for pre-cleaning (removes oils, greases and other contaminants) and removing excess surface penetrant from an inspection area before applying developer during liquid penetrant testing. It dries quickly without leaving any residue on the surface.

Pack Size Aerosol 400ml

Additional information

PROPERTIES	Appearance – clear volatile liquid Chemical Composition – mixture of alcohols Basis – solvent Odour – characteristic
APPROVALS	AMS 2644 ASME Code V, Art. 6 DIN EN ISO 3452 ASTM E165 ASTM E1417 RCC-M ASME NPCIL TLV 9017 01 PMUC JIS – 2343-2
FAMILY TESTING	Penetrant – all penetrants Cleaner – MR85 Developer – all developers
RECOMMENDED USAGE	NDT Method – Dye Penetrant Testing Compatibility – all penetrants Area Coverage ~ 6 sq m (400ml nett Aerosol can) ; ~ 19 sq m (1 L) Usage Temperature – 14°F to 131°F / -10 °C to +55 °C Storage Temperature – 41°F to 113°F / +5 °C to +45 °C
REFERENCE TEST BLOCKS	Reference test block type 1 (Ni-Cr panel) Reference test block type 2 (5-star panel) ASTM test block (Aluminium comparator block) TAM panel