#### General notes for Direct Fastening (Drywall Fastener)

1. DIRECT FASTENING SHALL BE PERFORMED WITH X-P B3 MX ACCORDING TO ETA-20/0886 OR MANUFACTURER’S TECHNICAL / PERFORMANCE DATASHEET WHEN ETA IS NOT PRESENT
2. BASE MATERIAL TYPE/ HARDNESS AND STICK RATE SHALL BE TAKEN INTO CONSIDERATION DURING DESIGN (E.G. SOFT CONCRETE ~ 85% - 98% STICK RATE)
3. MINIMUM NUMBER OF FASTENING POINTS FOR SAFETY RELEVANT FASTENINGS (E.G. PROFILED METAL SHEET FASTENINGS IN ROOF AND WALLS) SHALL BE ≥ 5 AND REDUNDANCY OF FASTENING POINTS IS REQUIRED
4. FOR NON SAFETY RELEVANT FASTENINGS, TEMPORARY/ PERMANENT (E.G. WOOD KICKER IN CONCRETE, METAL TRACK FASTENING IN DRYWALL) ZINC PLATED FASTENERS MADE OF CARBON STEEL CAN BE USED WITHOUT RESTRICTION, HOWEVER, FASTENER CAPACITY SHALL BE REDUCED WHERE CORROSION RELATED DAMAGES ARE CONSIDERED
5. CONTRACTOR MUST FOLLOW APPROVED METHOD FOR THE INSTALLATION. METHOD STATEMENT MUST BE SUBMITTED FOR APPROVAL BEFORE THE BEGINNING OF WORKS
6. FASTENINGS SHALL BE PERFORMED BY TRAINED OPERATORS TO INSTALL THE SYSTEM PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE MATERIAL PACKAGING. THE CONTRACTOR SHALL ARRANGE FOR A MANUFACTURER’S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR DIRECT FASTENING AND THE TRAINING RECORD MUST BE SUBMITTED FOR APPROVAL
7. ANY VISIBLE SETTING FAILURES MUST BE REPLACED WITH A NEW FASTENER, NOT IN THE SAME HOLE. REFERENCE SHALL BE MADE TO FASTENING INSPECTION GUIDE FOR QUALITY ASSURANCE

APPENDIX : SAMPLE NAIL LENGTH RECOMMENDATIONS BY MANUFACTURER

